

FIG. 1

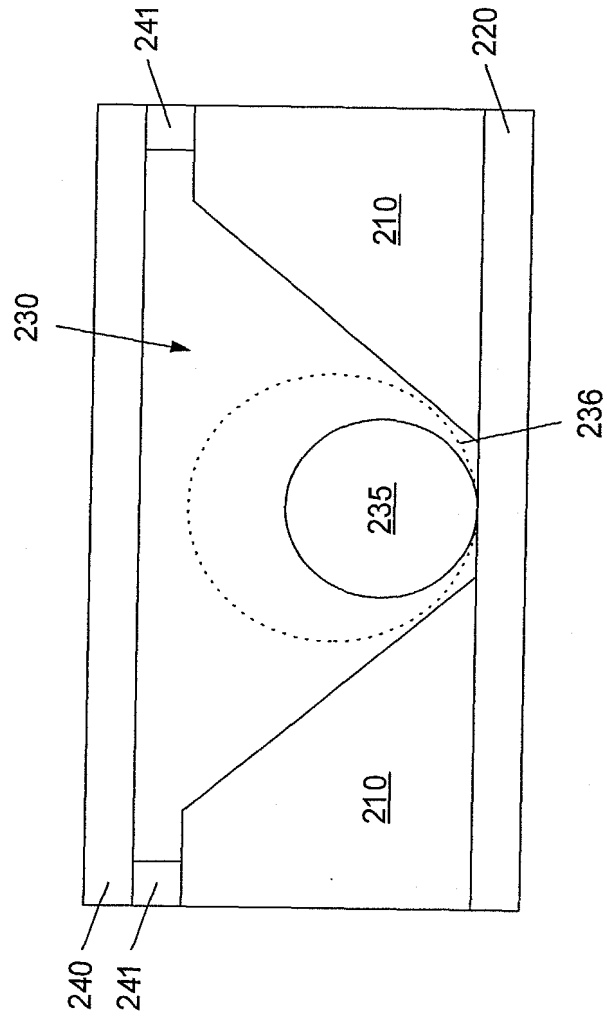
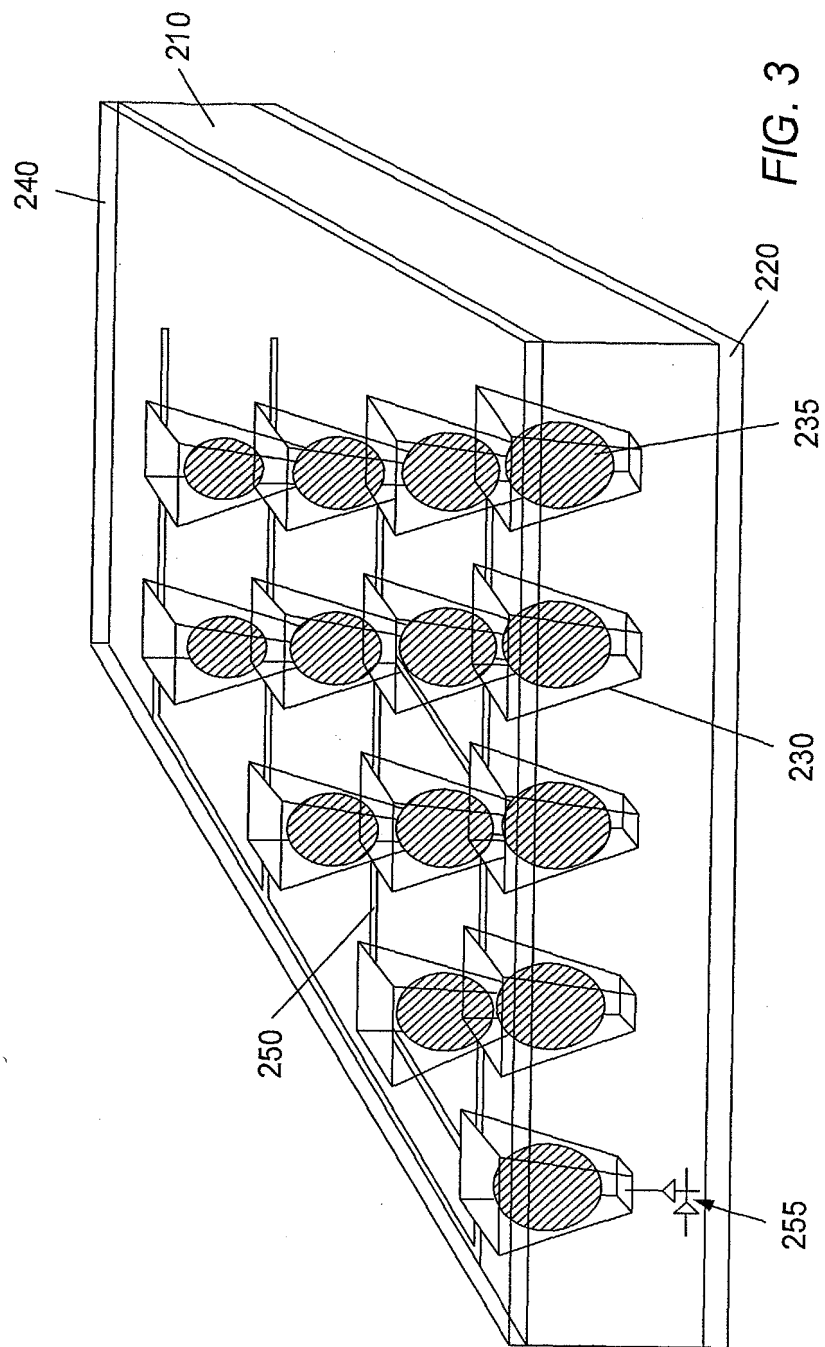


FIG. 2

3/87



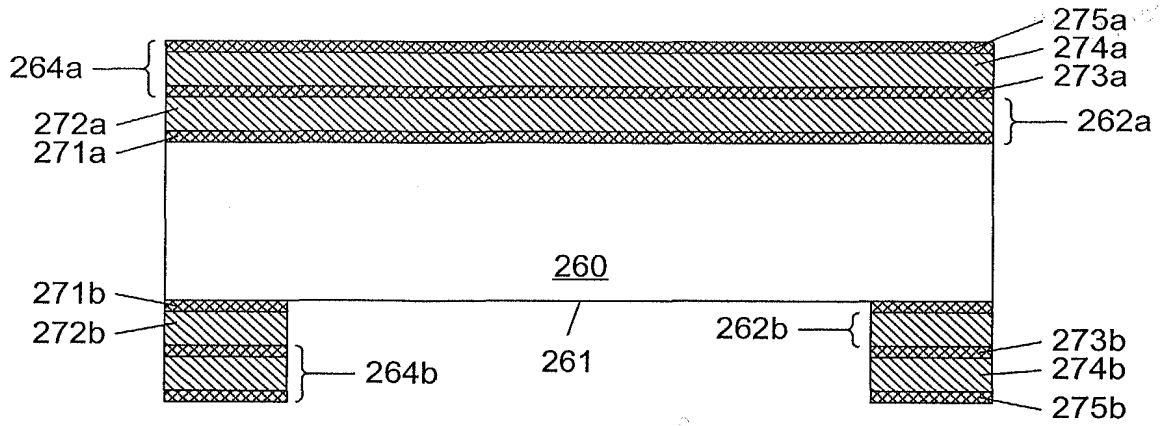


FIG. 4A

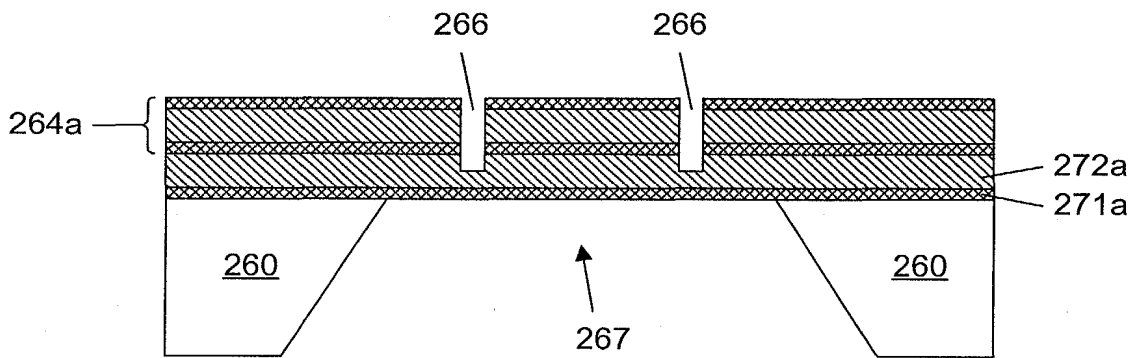


FIG. 4B

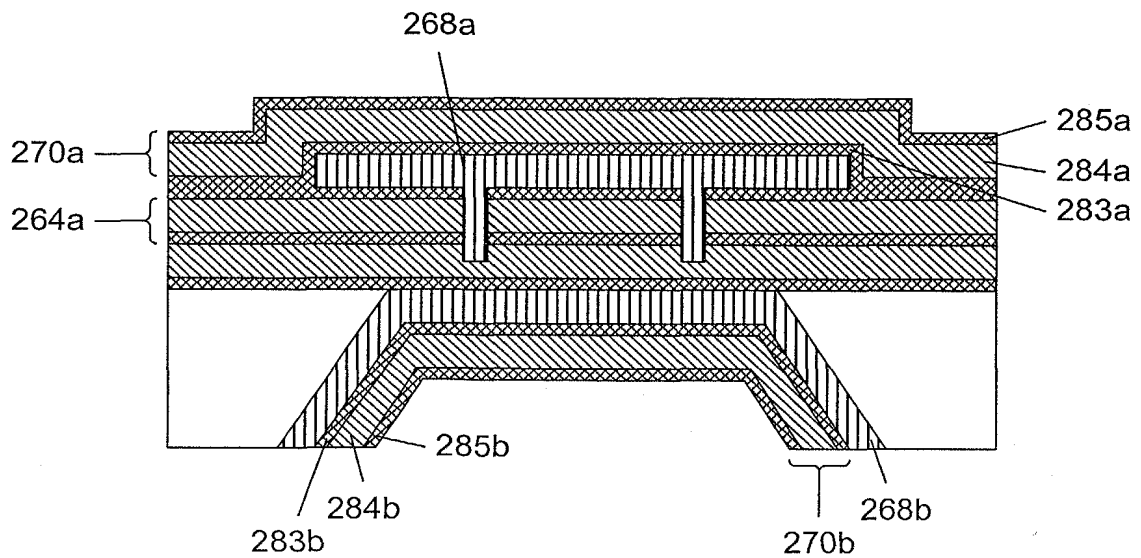


FIG. 4C

FIG. 4D

A cross-sectional view of a semiconductor device. The structure consists of a substrate with a series of layers. A bracket on the left labeled 264a indicates a stack of three layers. Above this stack is a layer labeled 286. To the right of the 286 layer is a layer labeled 290. Below the 286 layer, there are two rectangular regions labeled 296, separated by a gap. The entire structure is shown in a cross-section with various hatching patterns indicating different materials.

FIG. 4E

This cross-sectional view shows a semiconductor device with a top layer 292, a middle layer 286, and a bottom layer 266. The device features a central opening and two side openings, with the bottom layer 266 having a stepped profile.

FIG. 4F

1. The first part of the document is a list of names and their corresponding addresses. The names are listed in a column on the left, and the addresses are listed in a column on the right. The names are: John A. Smith, John B. Smith, John C. Smith, John D. Smith, John E. Smith, John F. Smith, John G. Smith, John H. Smith, John I. Smith, John J. Smith, John K. Smith, John L. Smith, John M. Smith, John N. Smith, John O. Smith, John P. Smith, John Q. Smith, John R. Smith, John S. Smith, John T. Smith, John U. Smith, John V. Smith, John W. Smith, John X. Smith, John Y. Smith, John Z. Smith. The addresses are: 123 Main St., 456 Main St., 789 Main St., 101 Main St., 202 Main St., 303 Main St., 404 Main St., 505 Main St., 606 Main St., 707 Main St., 808 Main St., 909 Main St., 1010 Main St., 1111 Main St., 1212 Main St., 1313 Main St., 1414 Main St., 1515 Main St., 1616 Main St., 1717 Main St., 1818 Main St., 1919 Main St., 2020 Main St., 2121 Main St., 2222 Main St., 2323 Main St., 2424 Main St., 2525 Main St., 2626 Main St., 2727 Main St., 2828 Main St., 2929 Main St., 3030 Main St., 3131 Main St., 3232 Main St., 3333 Main St., 3434 Main St., 3535 Main St., 3636 Main St., 3737 Main St., 3838 Main St., 3939 Main St., 4040 Main St., 4141 Main St., 4242 Main St., 4343 Main St., 4444 Main St., 4545 Main St., 4646 Main St., 4747 Main St., 4848 Main St., 4949 Main St., 5050 Main St., 5151 Main St., 5252 Main St., 5353 Main St., 5454 Main St., 5555 Main St., 5656 Main St., 5757 Main St., 5858 Main St., 5959 Main St., 6060 Main St., 6161 Main St., 6262 Main St., 6363 Main St., 6464 Main St., 6565 Main St., 6666 Main St., 6767 Main St., 6868 Main St., 6969 Main St., 7070 Main St., 7171 Main St., 7272 Main St., 7373 Main St., 7474 Main St., 7575 Main St., 7676 Main St., 7777 Main St., 7878 Main St., 7979 Main St., 8080 Main St., 8181 Main St., 8282 Main St., 8383 Main St., 8484 Main St., 8585 Main St., 8686 Main St., 8787 Main St., 8888 Main St., 8989 Main St., 9090 Main St., 9191 Main St., 9292 Main St., 9393 Main St., 9494 Main St., 9595 Main St., 9696 Main St., 9797 Main St., 9898 Main St., 9999 Main St.

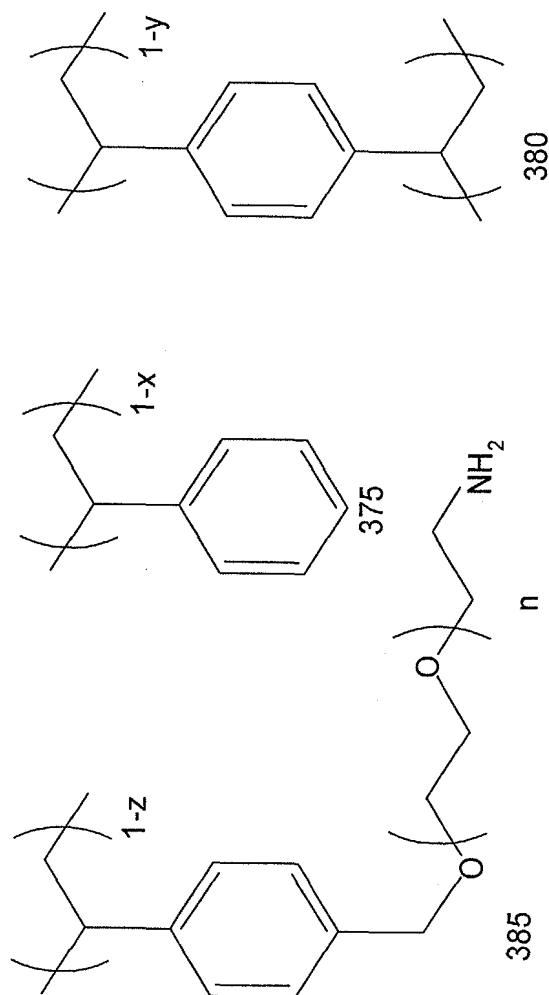


FIG. 5

7/87

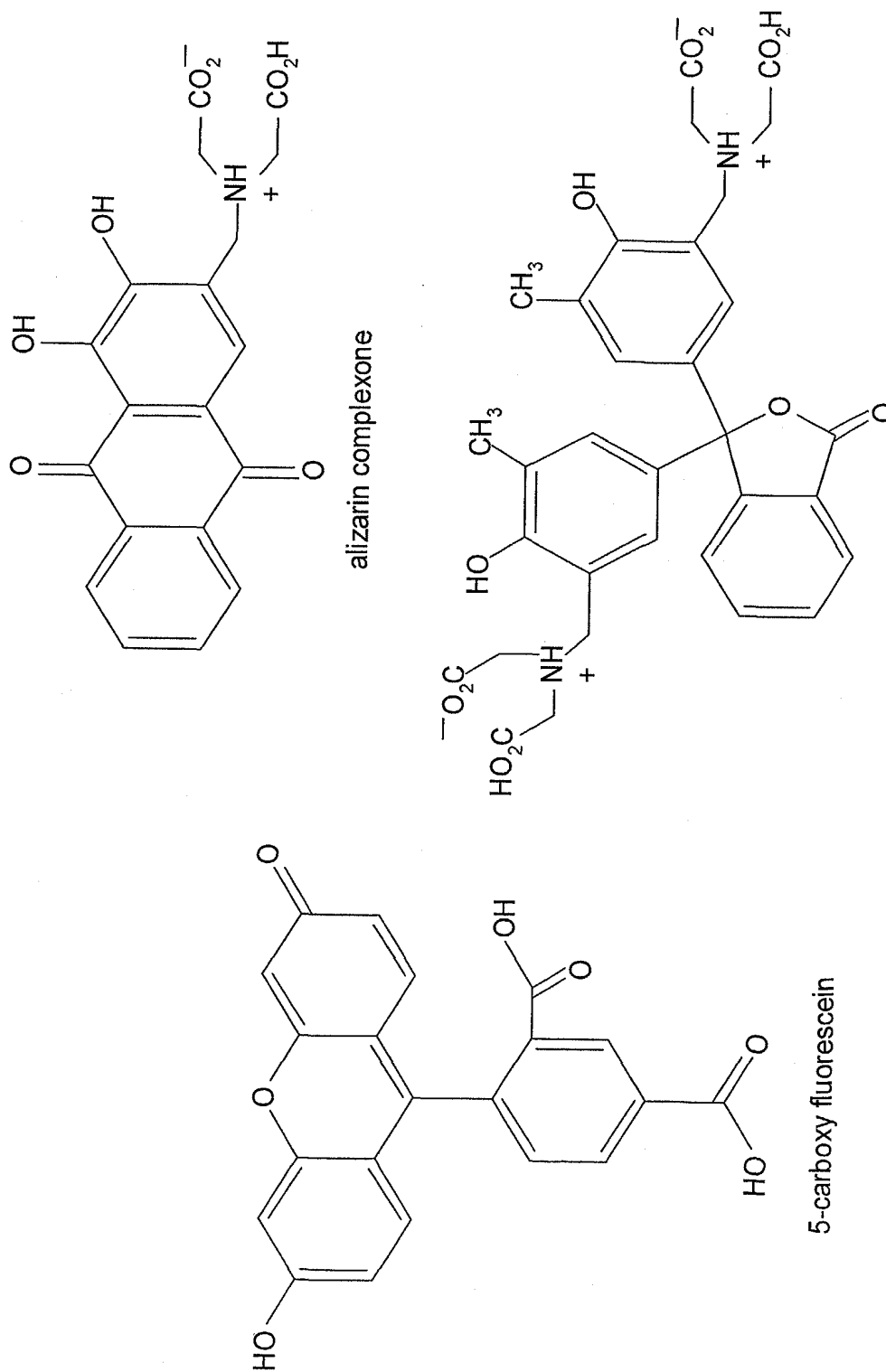


FIG. 6

8/87

FOR CHEN

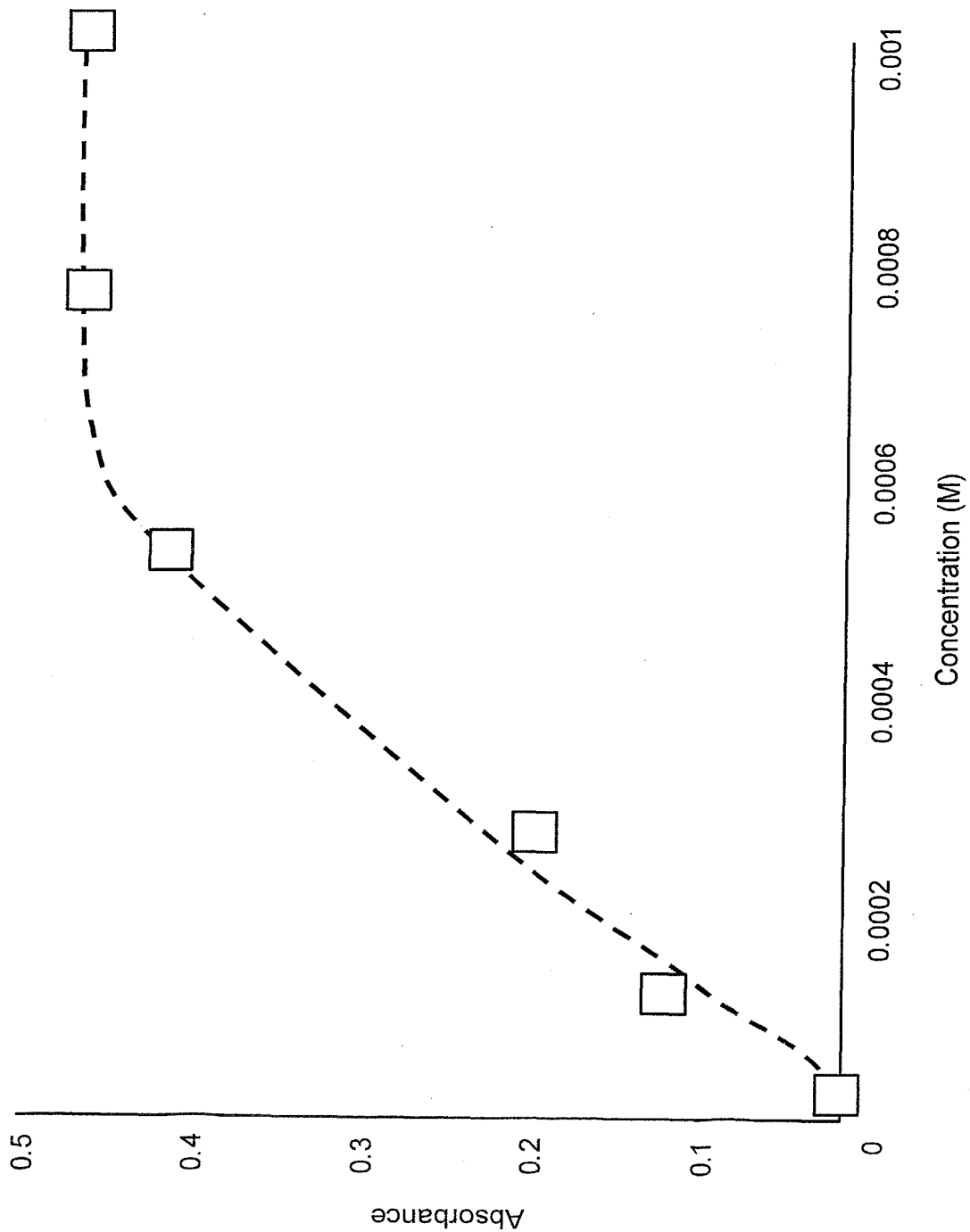


FIG. 7



FIG. 8

10/87

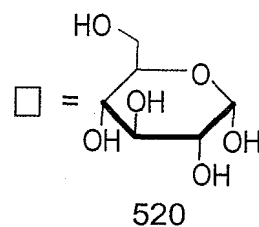
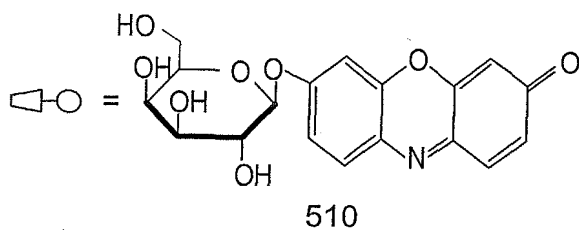
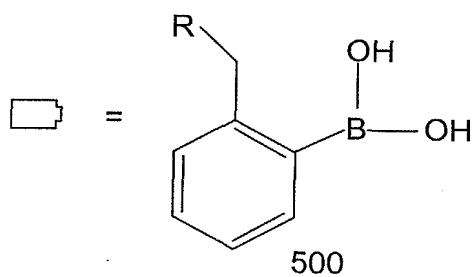
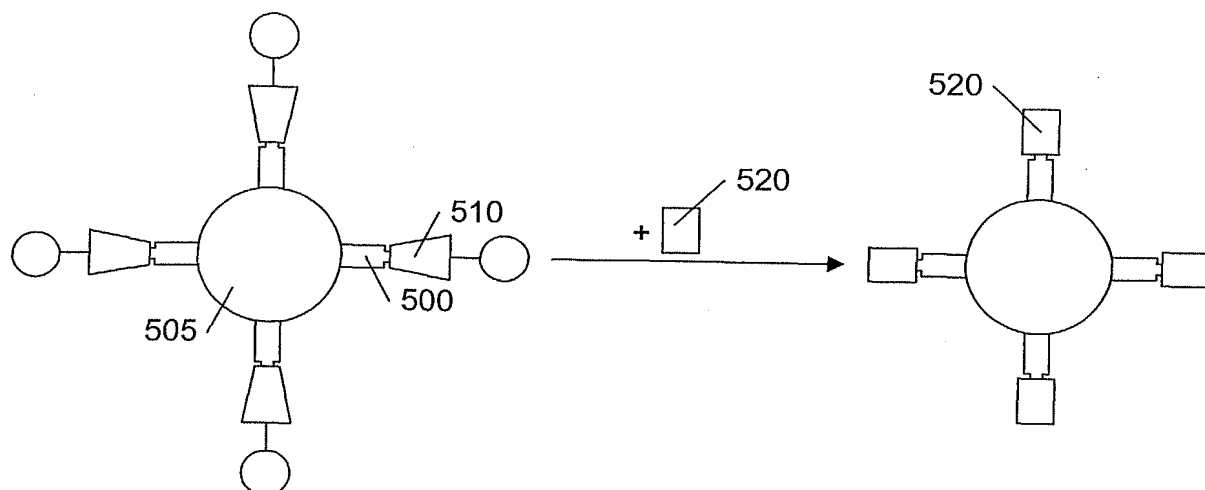
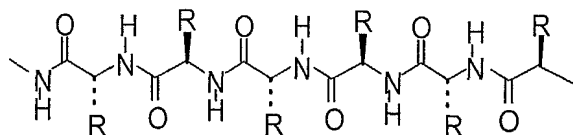
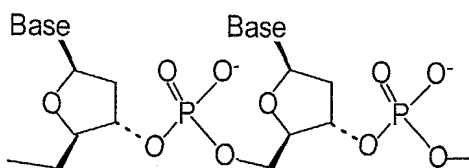


FIG. 9

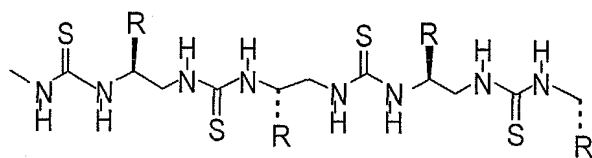
11/87



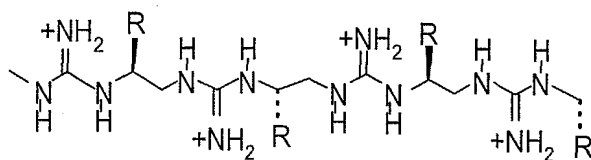
Peptides



Nucleotides



Polythioureas



Polyguanidiniums

FIG. 10

12/87

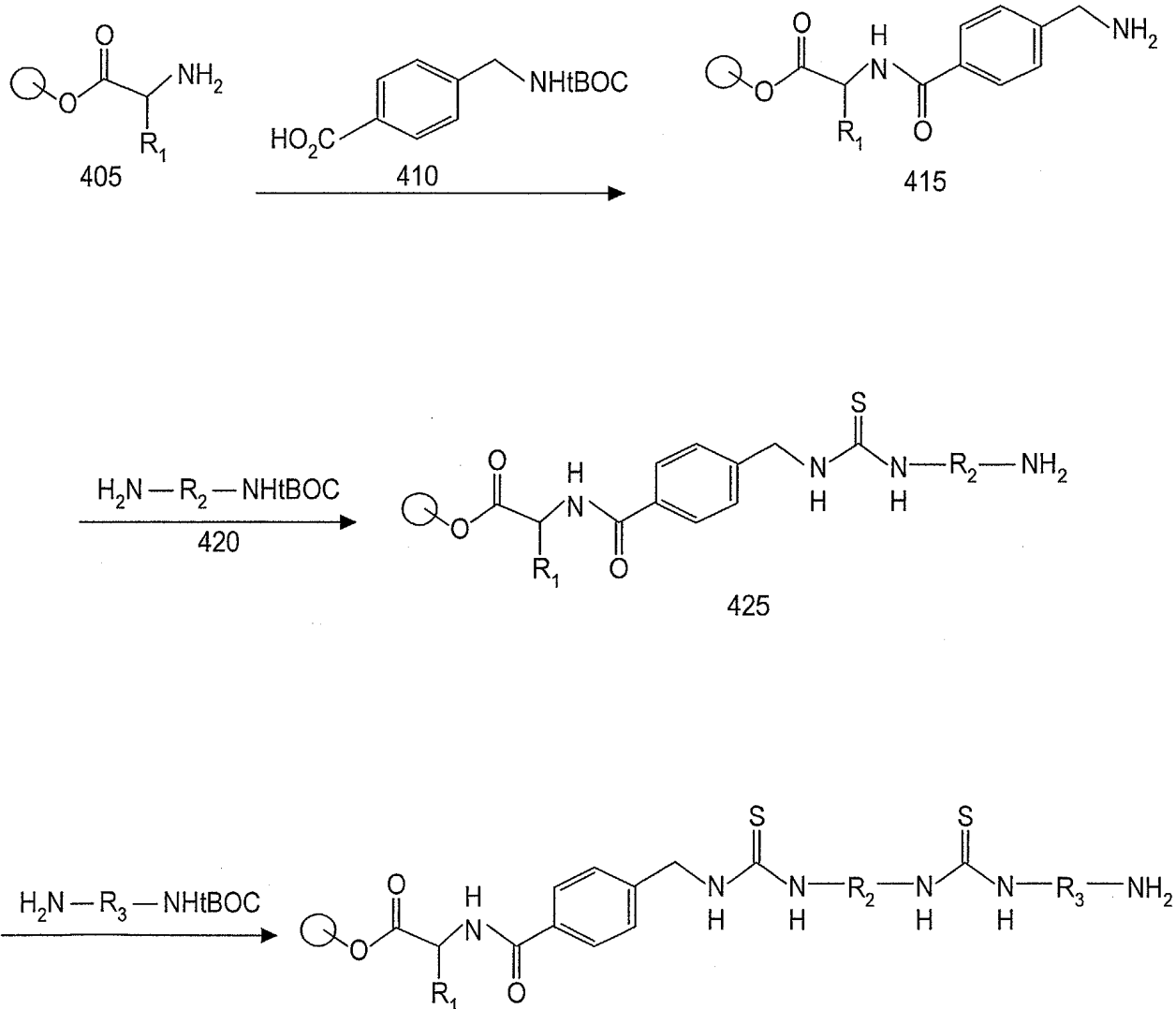


FIG. 11

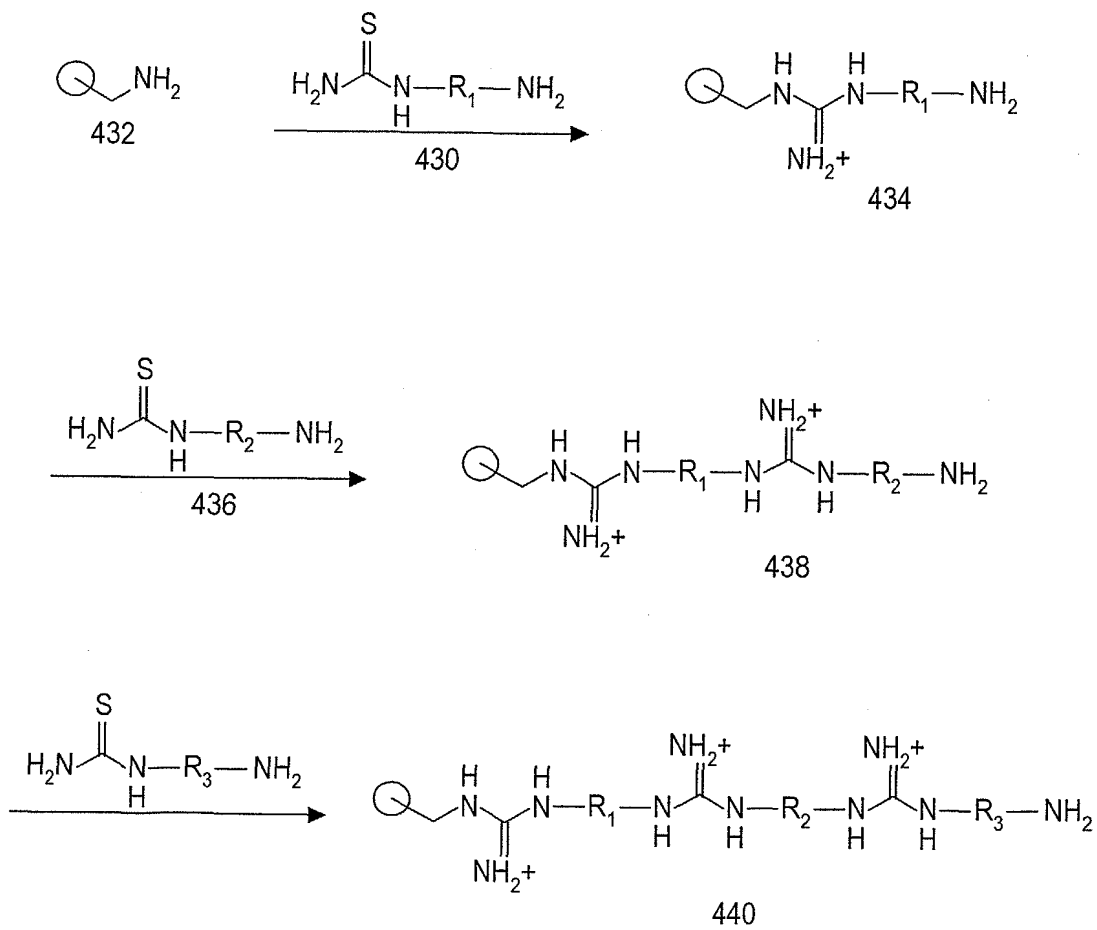


FIG. 12

14/87

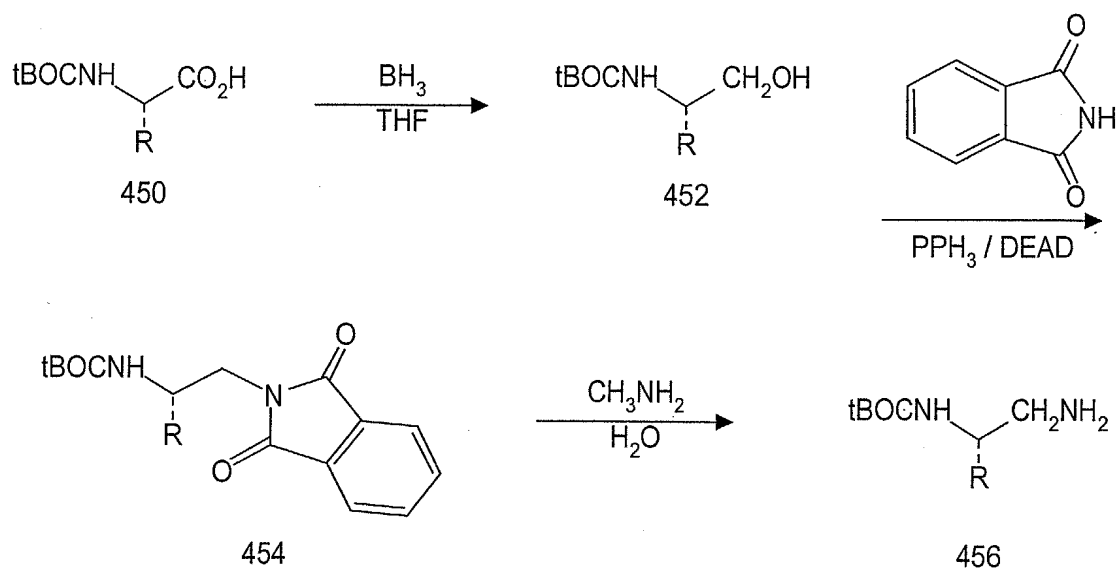


FIG. 13

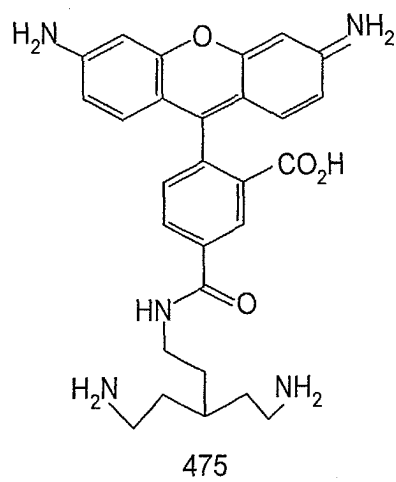
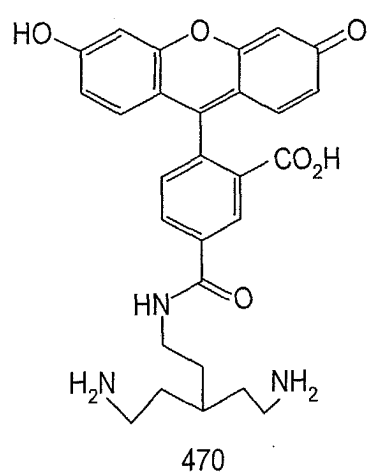


FIG. 14

16/87

16/87

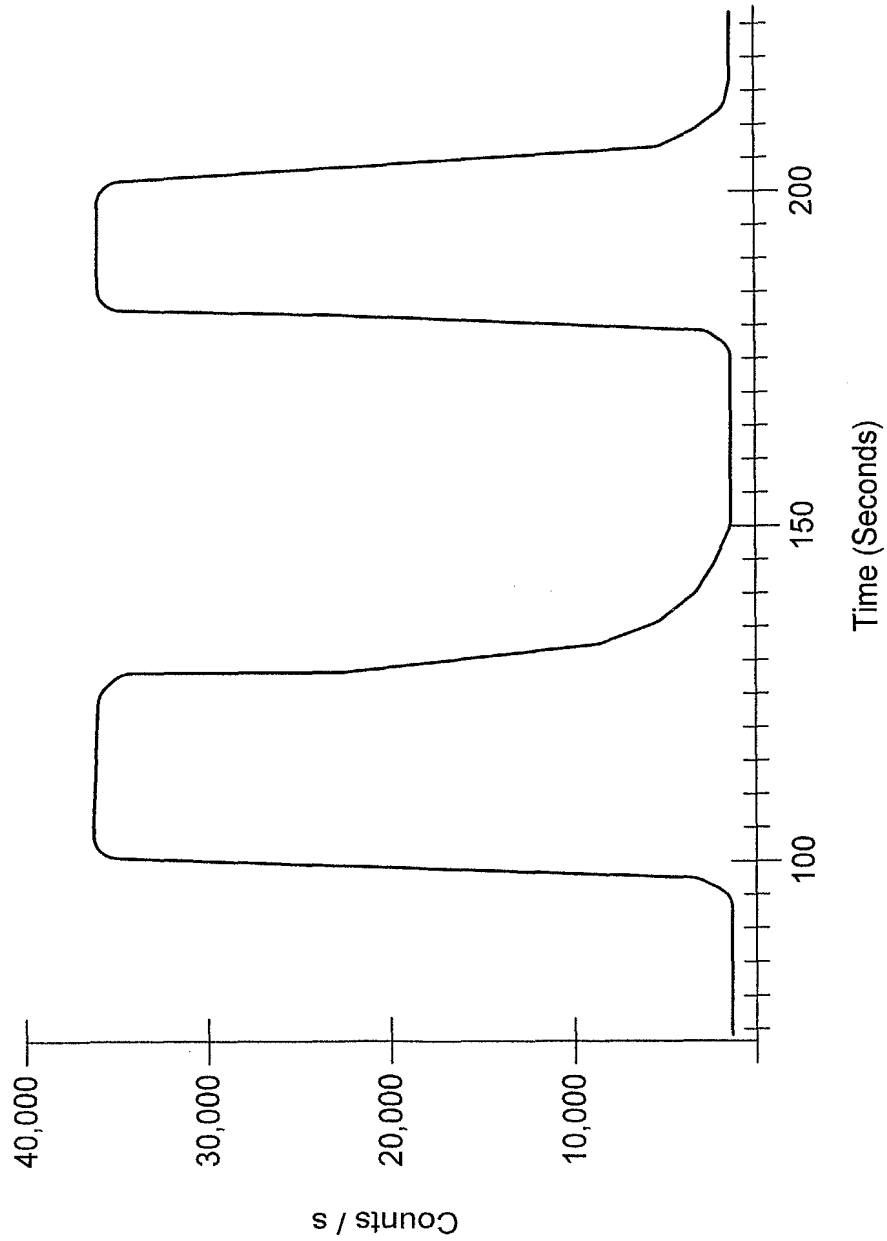


FIG. 15

RESIN: pH Ion		Blank	Alizarin	o-Cresol-phthalein	Fluorescein	Alizarin-Ce ³⁺ complex
2	none					
2	Ca ²⁺					
7	none					
7	Ca ²⁺					
7	F ⁻					
12	none					
12	Ca ²⁺					
12	F ⁻					

FIG. 16

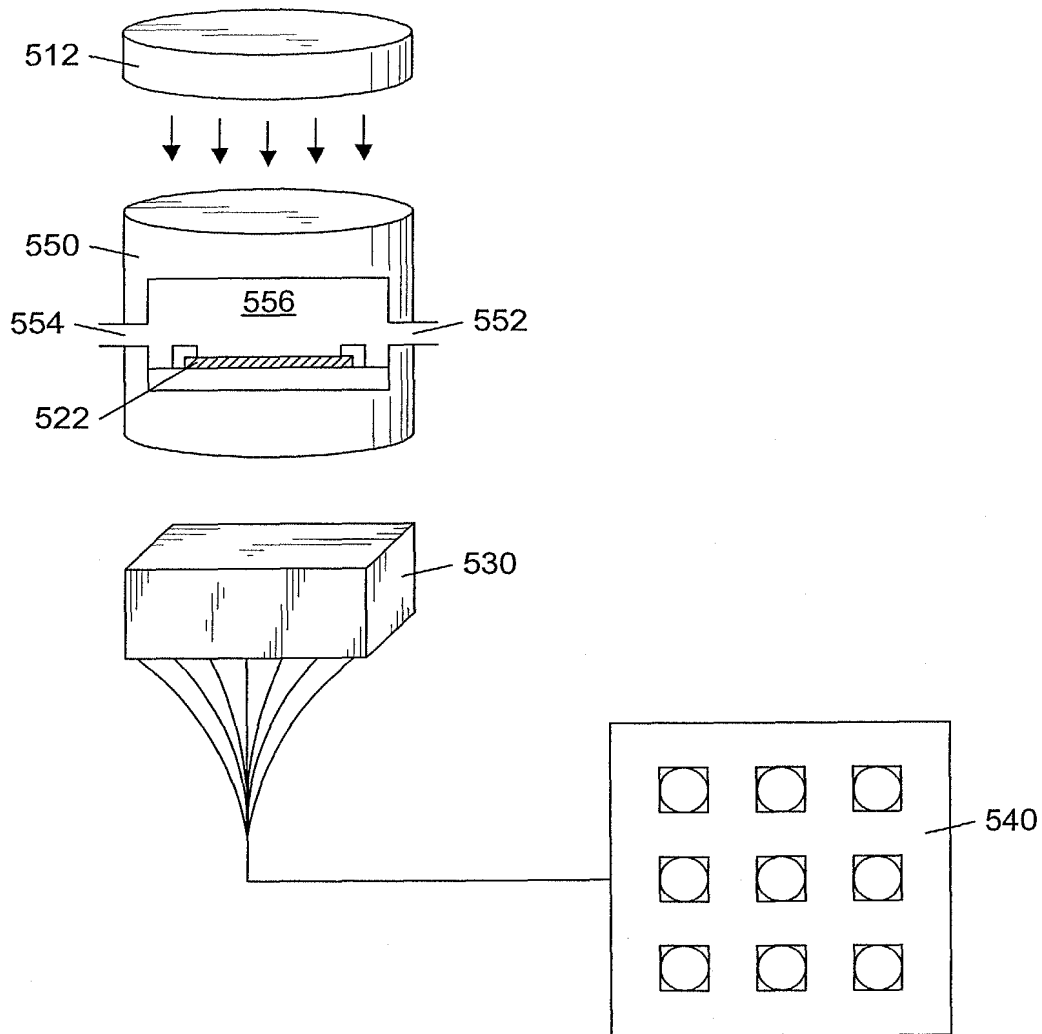


FIG. 17

19/87

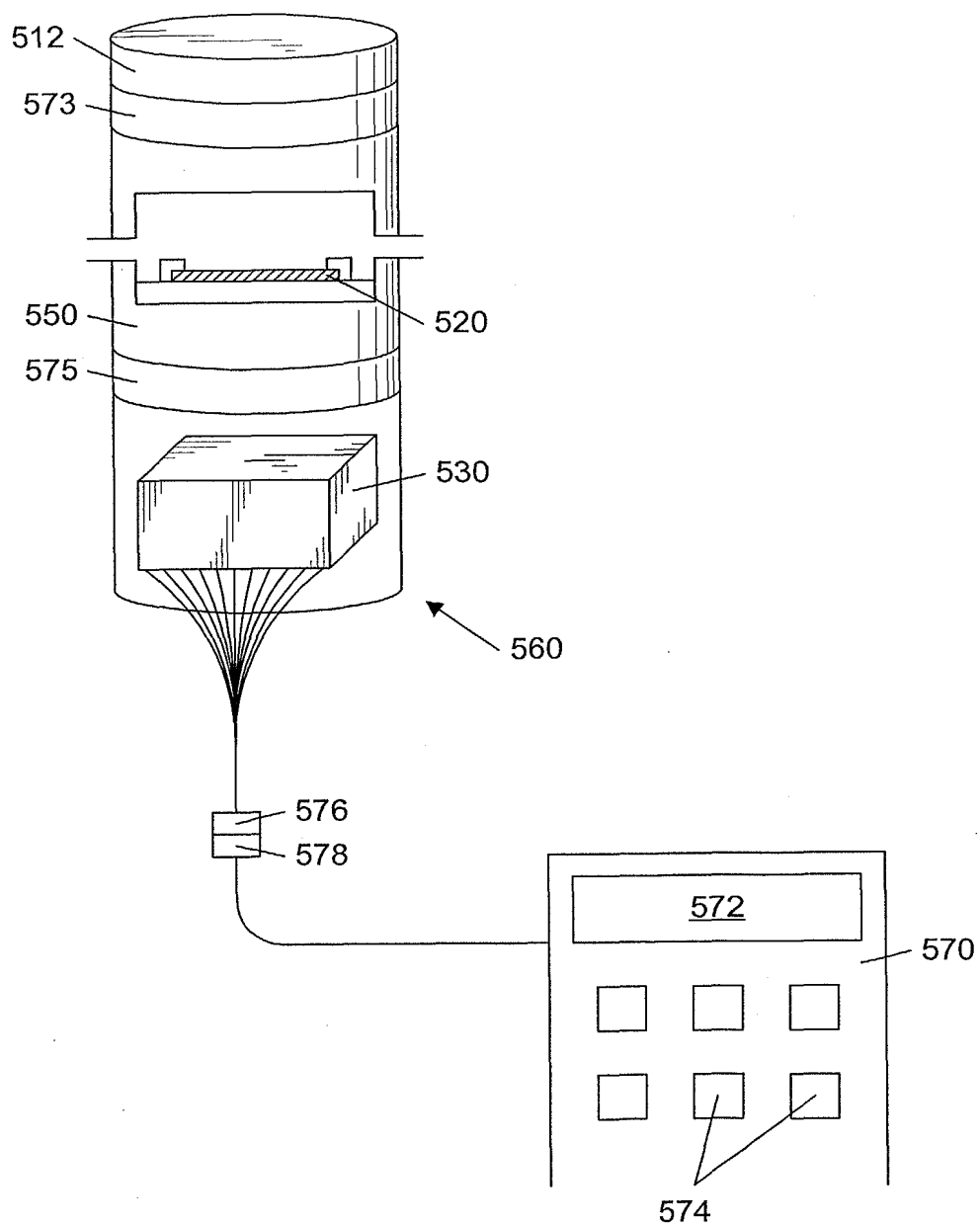


FIG. 18

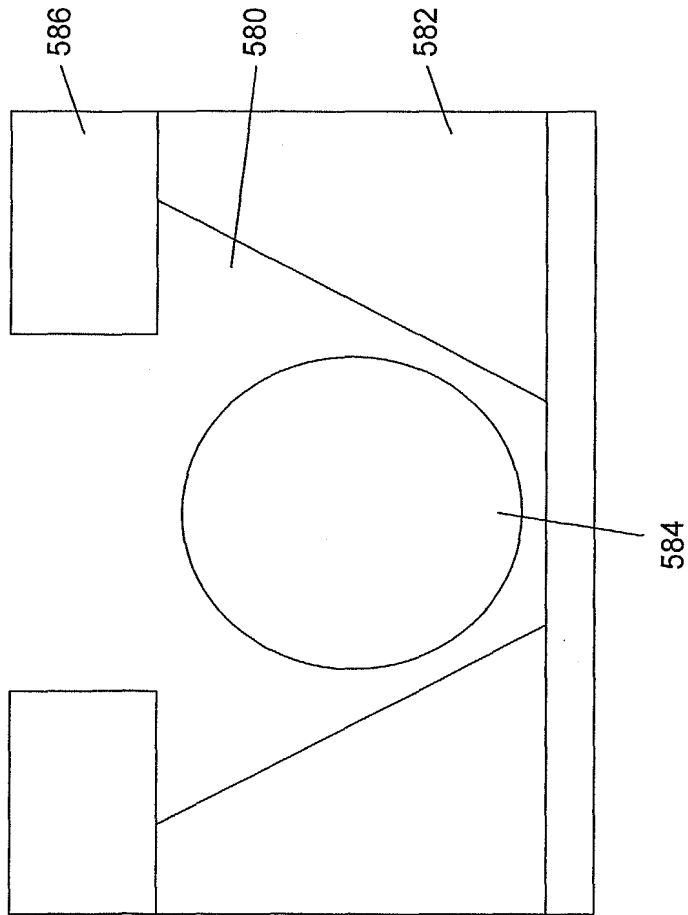


FIG. 19

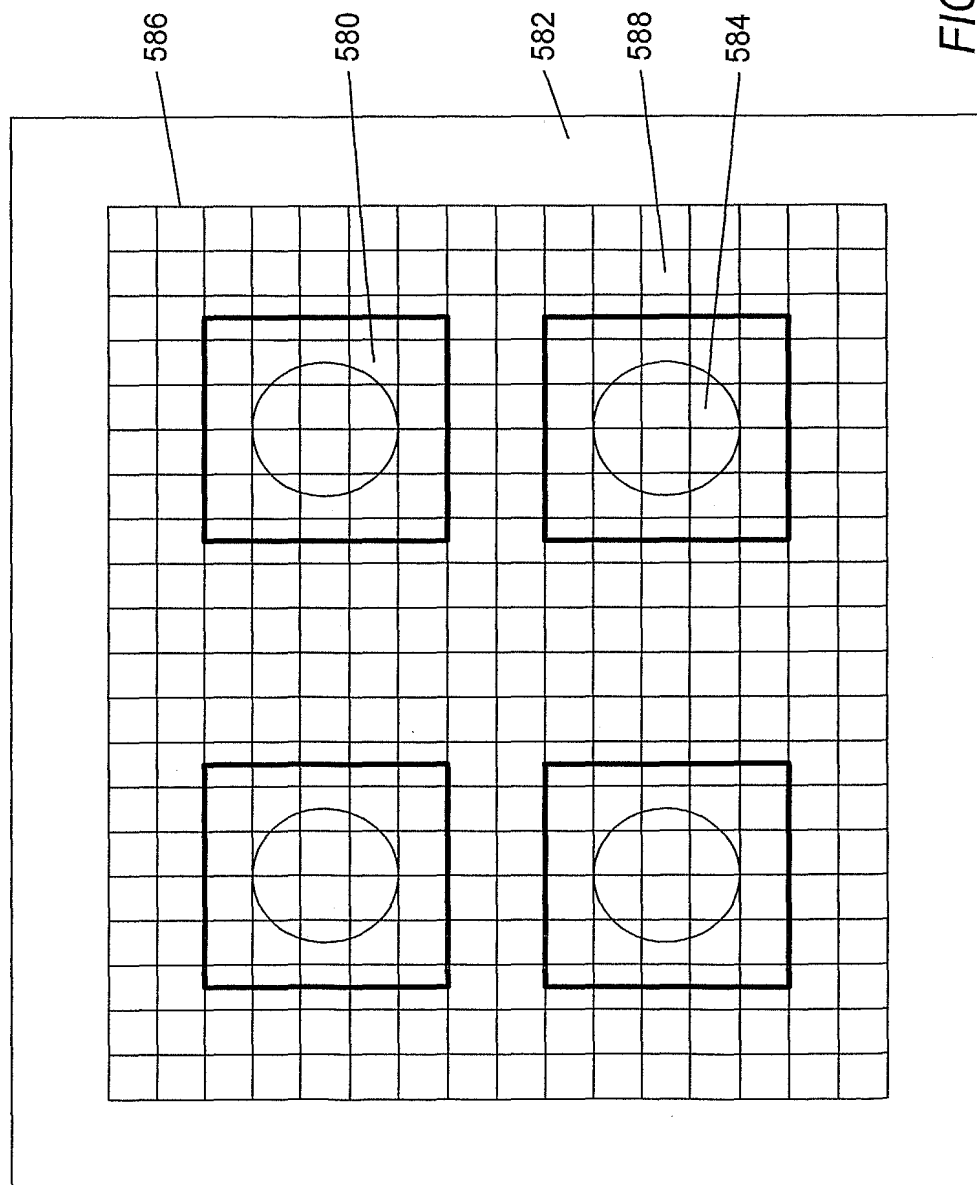


FIG. 20

22/87

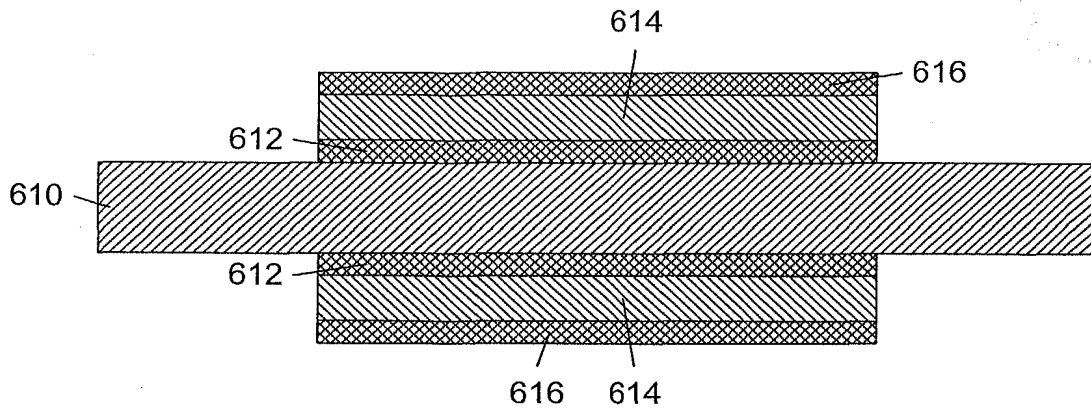


FIG. 21A

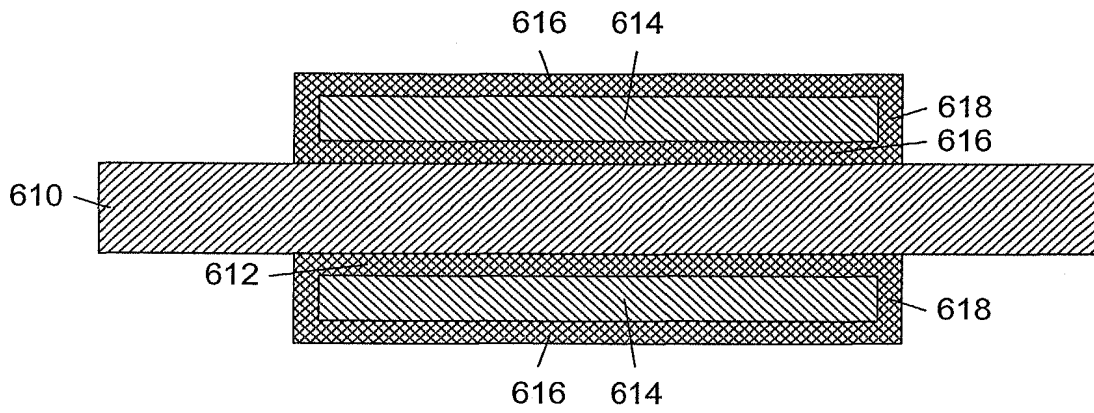


FIG. 21B

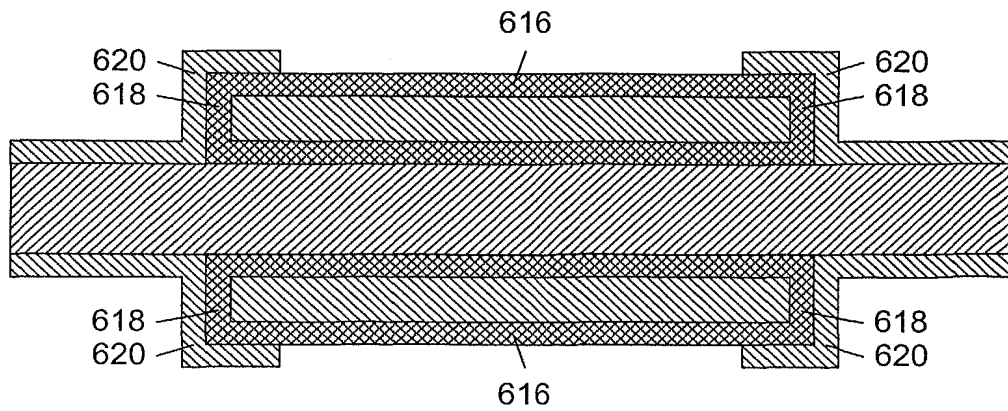


FIG. 21C

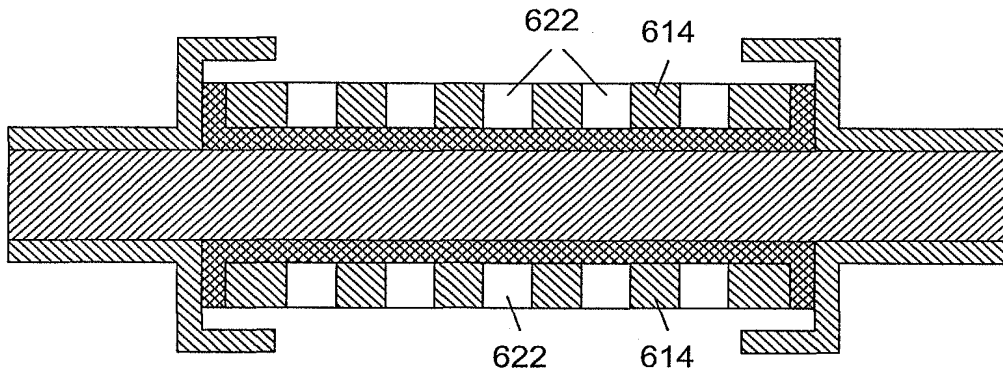


FIG. 21D

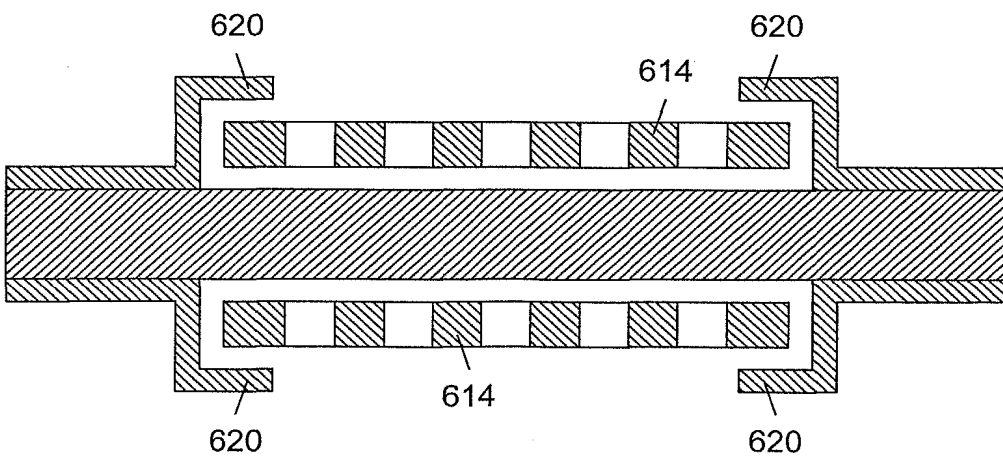


FIG. 21E

Downloaded from www.ascelibrary.org

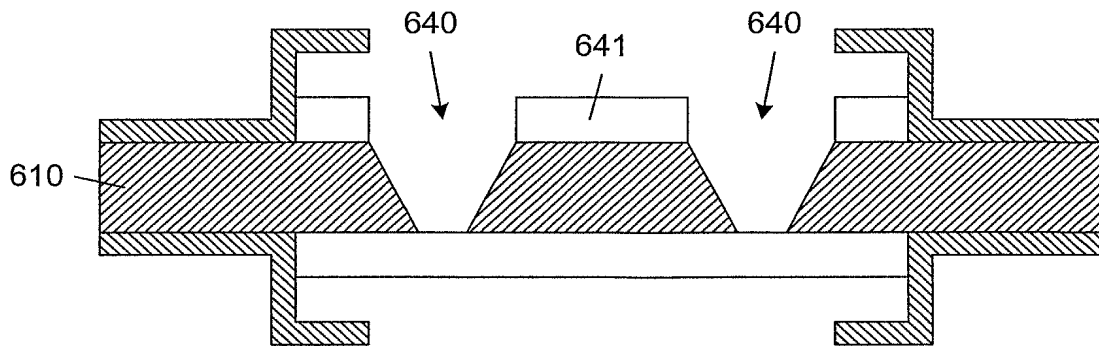


FIG. 21F

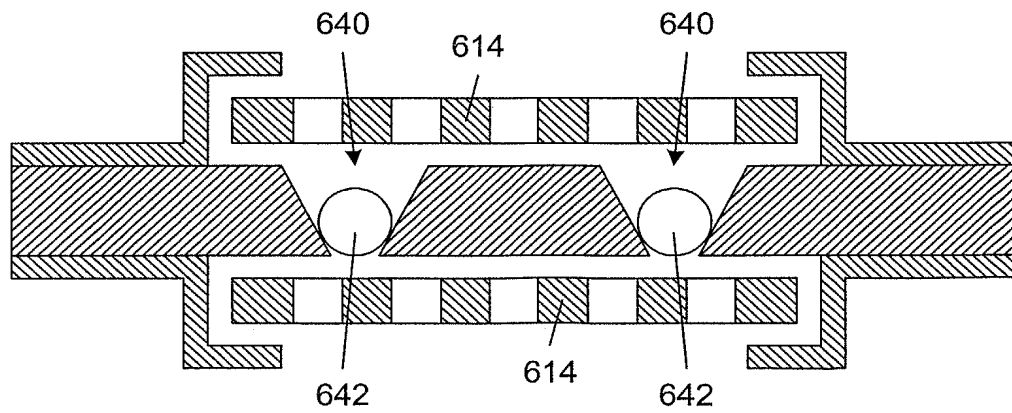


FIG. 21G

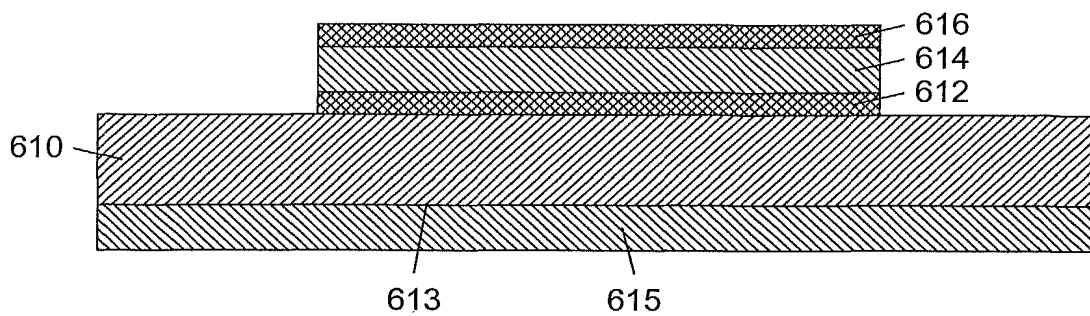


FIG. 22A

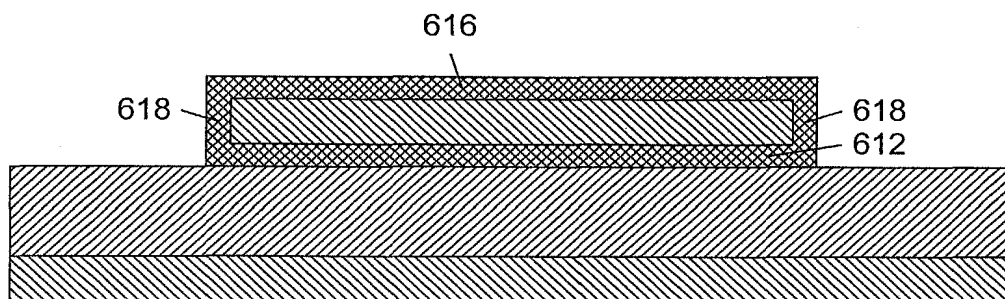


FIG. 22B

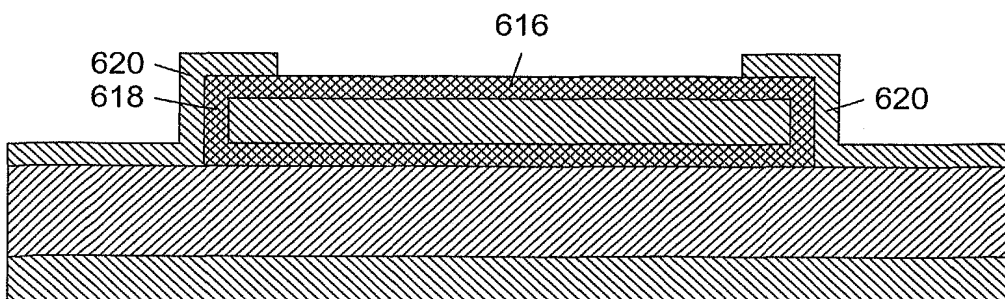


FIG. 22C

2007/05/08 00:00:00

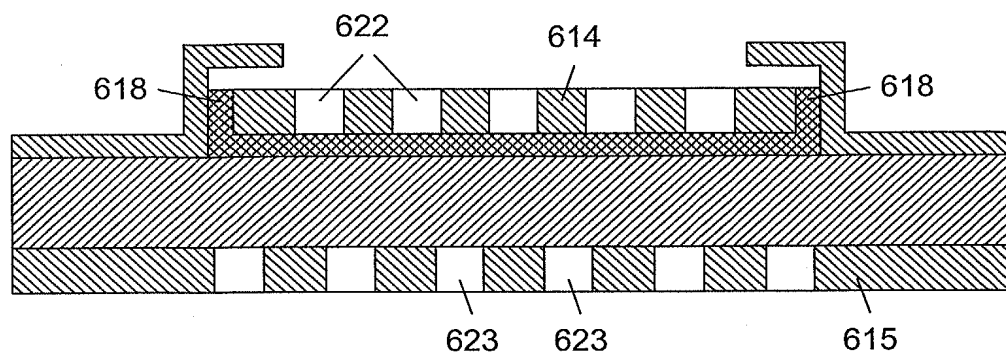


FIG. 22D

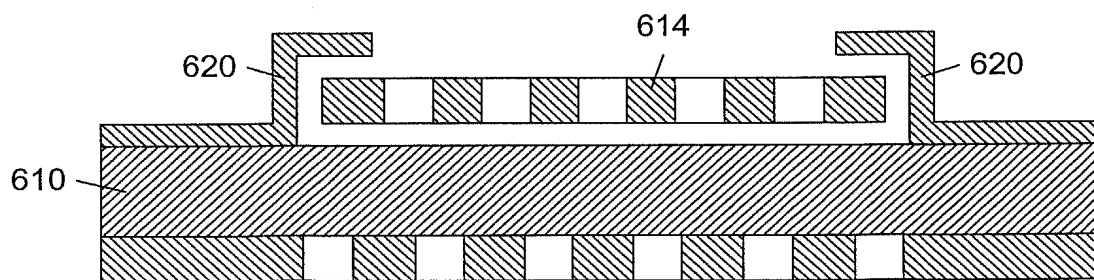


FIG. 22E

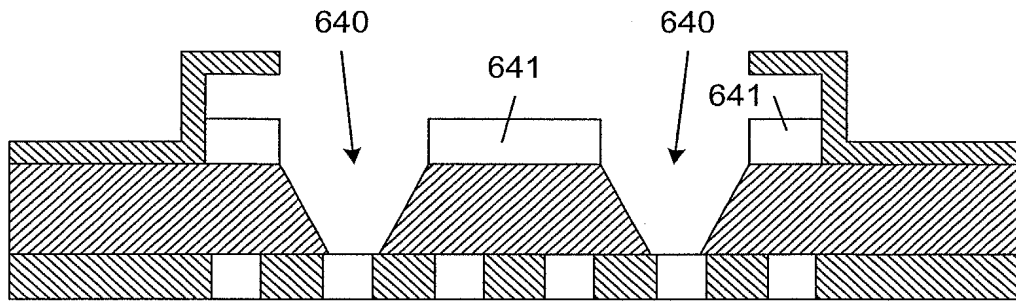


FIG. 22F

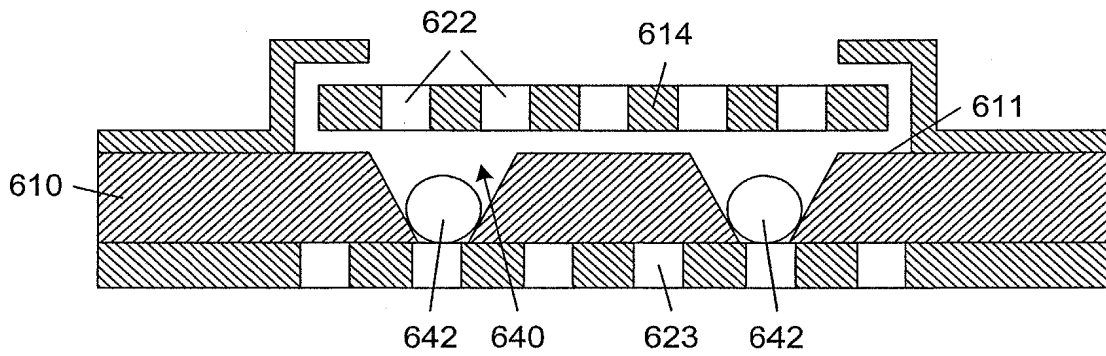


FIG. 22G

28/87

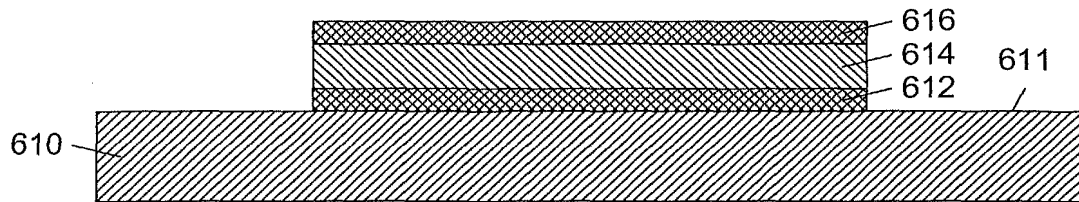


FIG. 23A

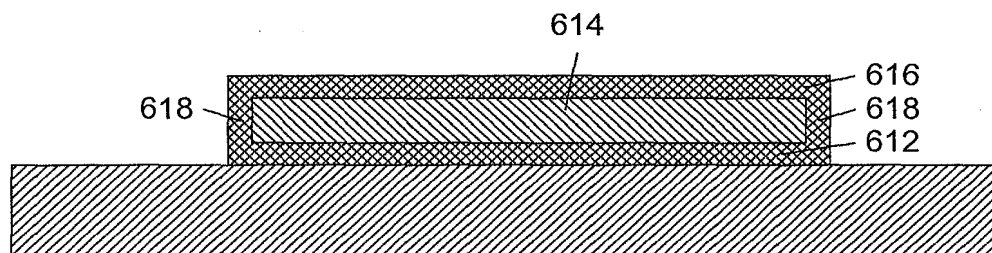


FIG. 23B

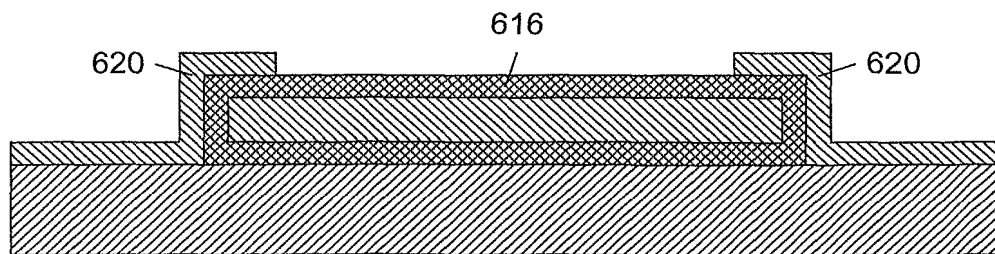


FIG. 23C

TOP SECRET

29/87

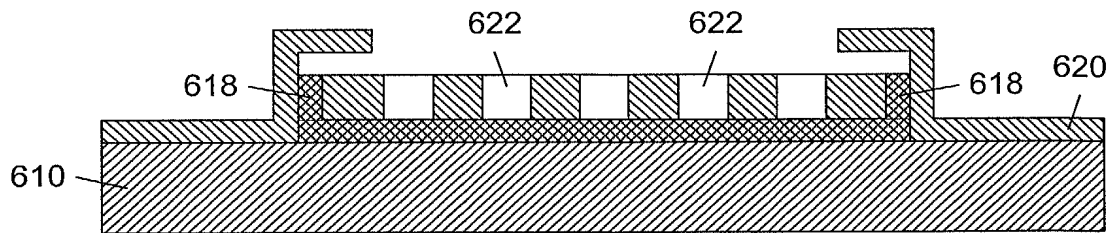


FIG. 23D

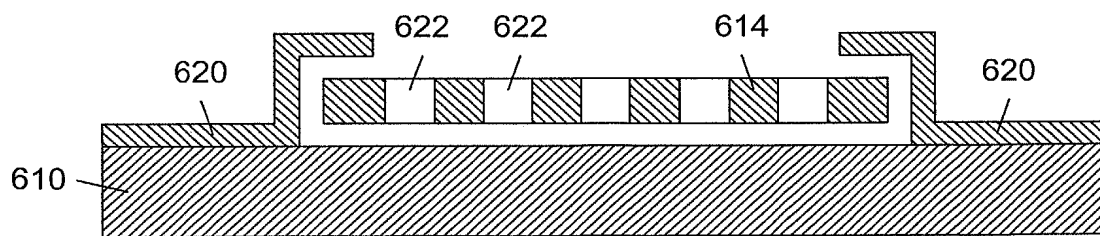


FIG. 23E

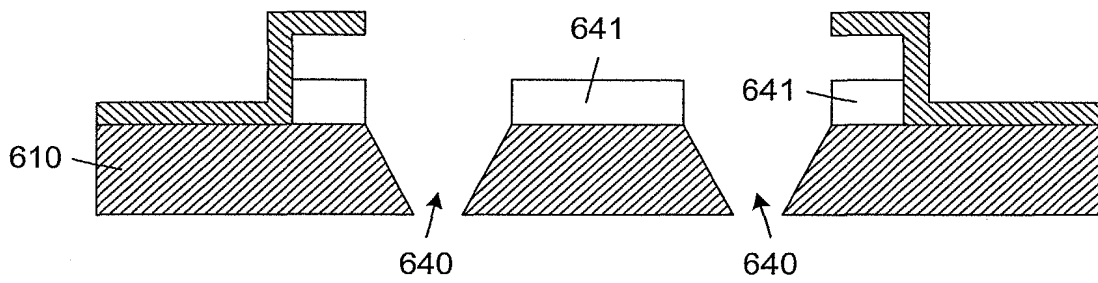


FIG. 23F

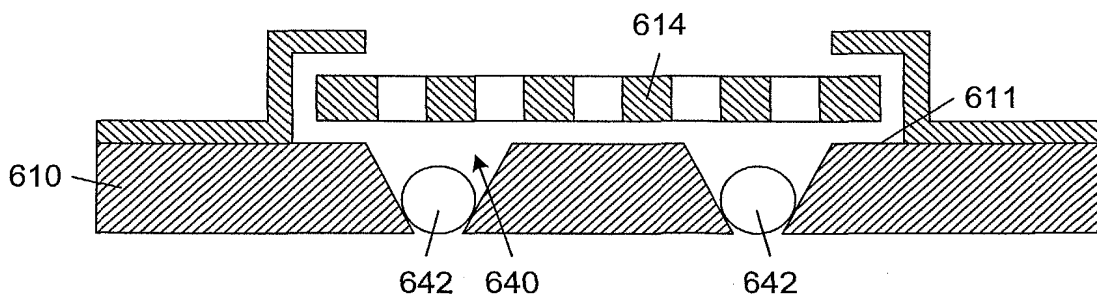


FIG. 23G

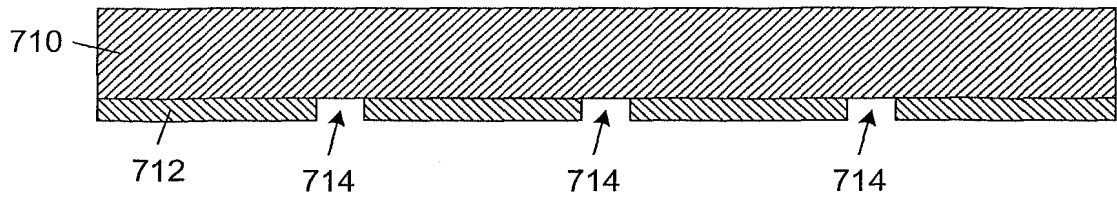


FIG. 24A

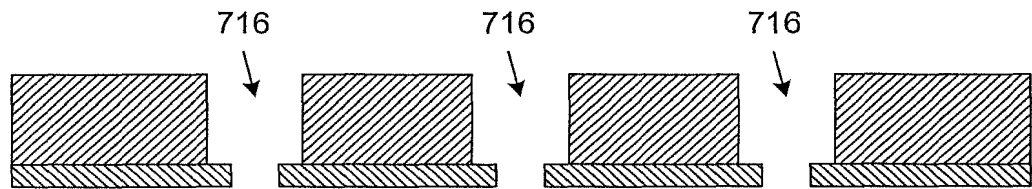


FIG. 24B

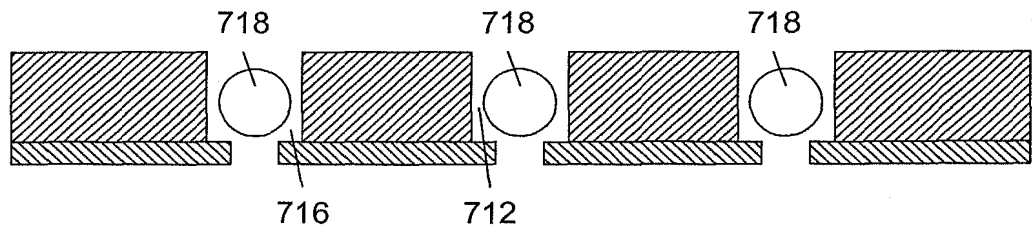


FIG. 24C

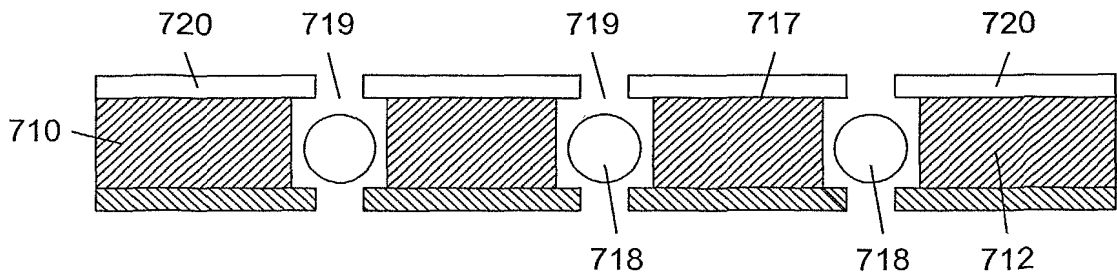


FIG. 24D

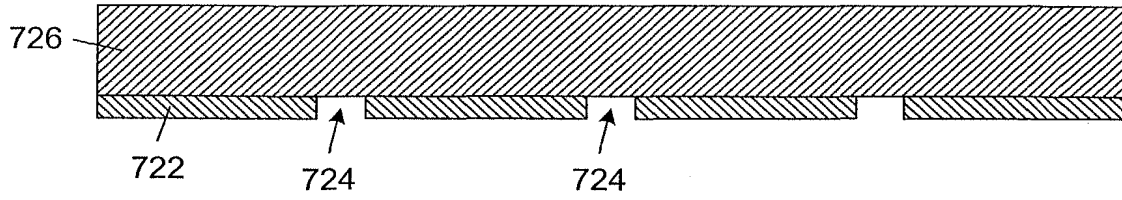


FIG. 25A

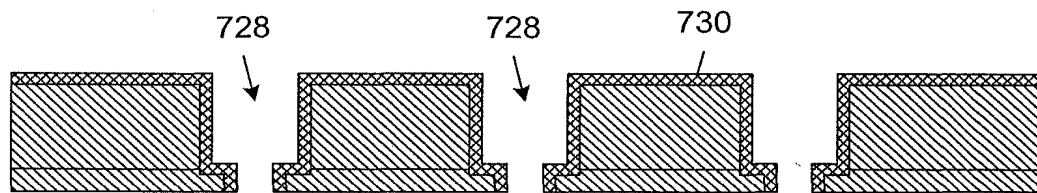


FIG. 25B

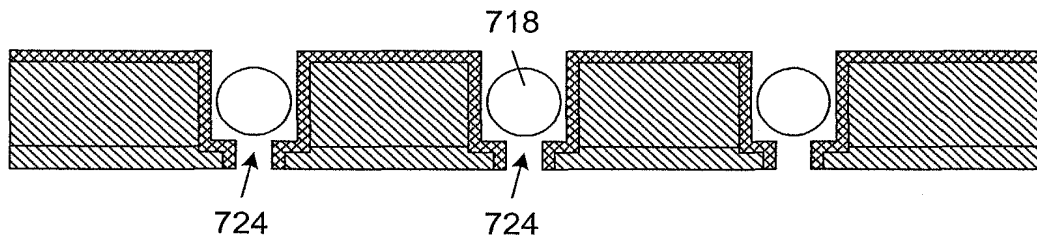


FIG. 25C

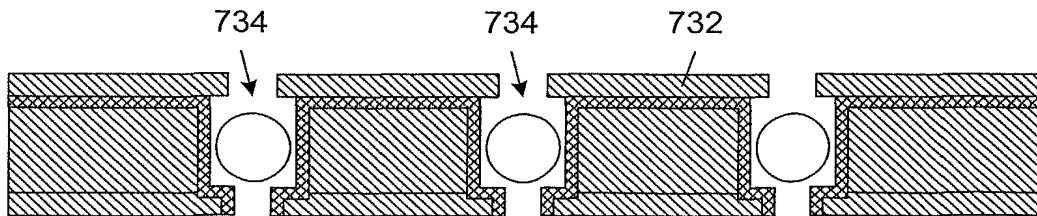


FIG. 25D

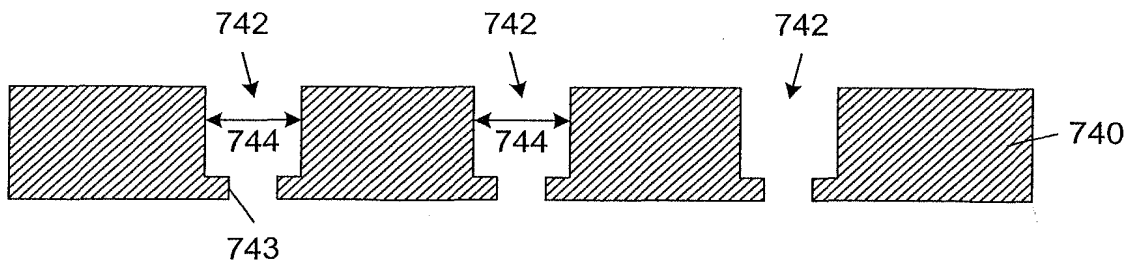


FIG. 26A

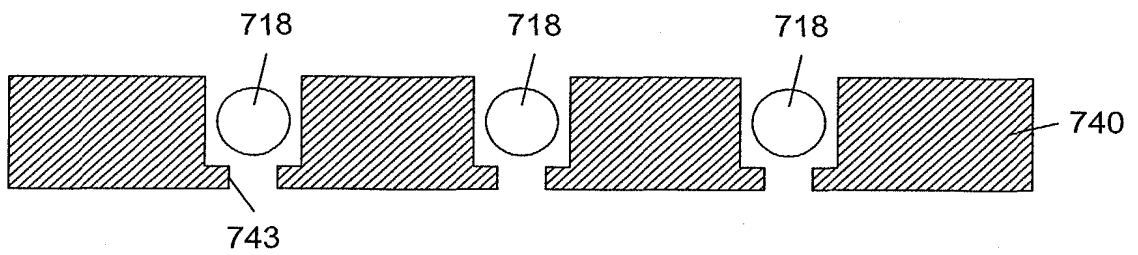


FIG. 26B

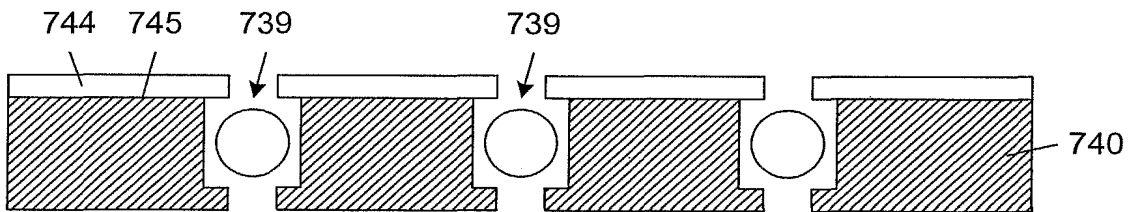


FIG. 26C

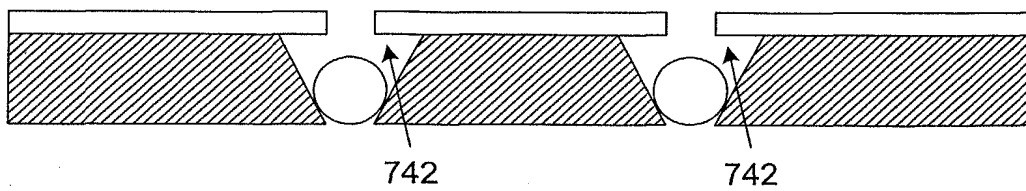


FIG. 26D

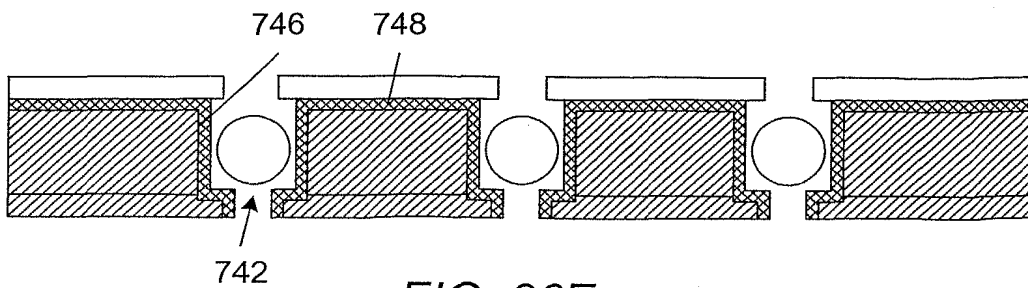


FIG. 26E

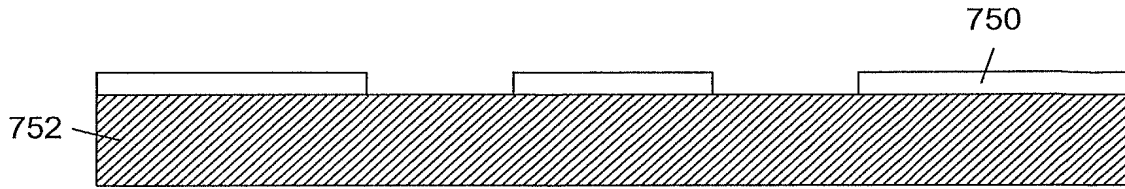


FIG. 27A

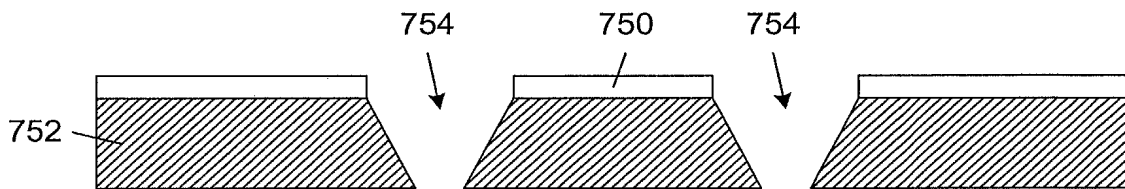


FIG. 27B

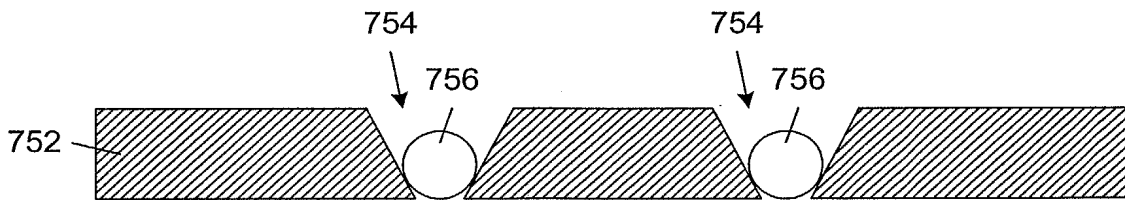


FIG. 27C

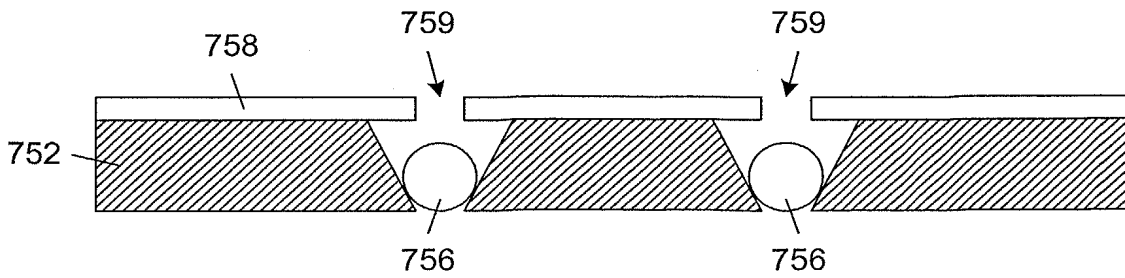


FIG. 27D



FIG. 28A

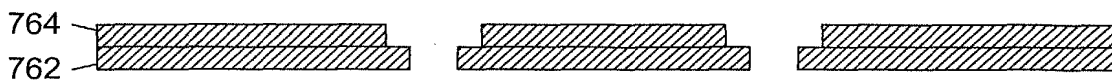


FIG. 28B

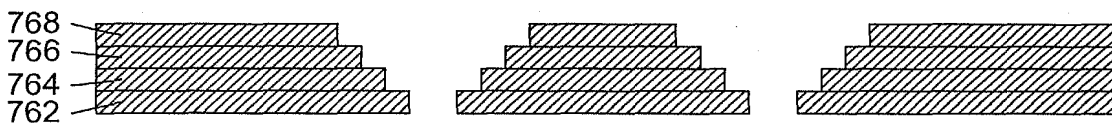


FIG. 28C

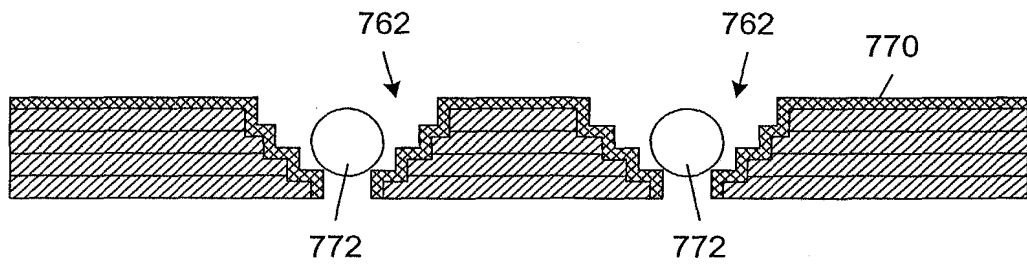


FIG. 28D

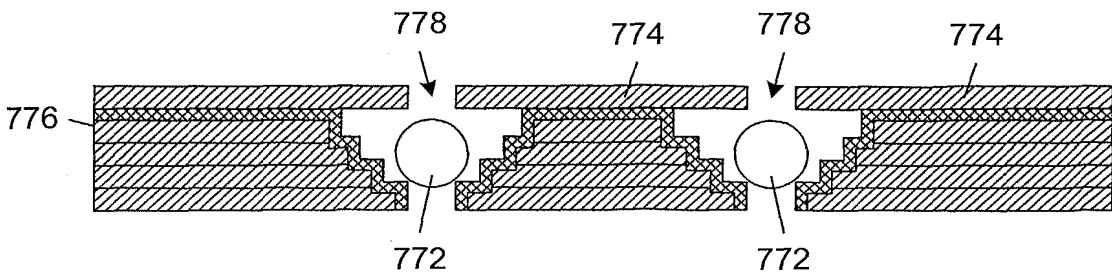


FIG. 28E

36/87

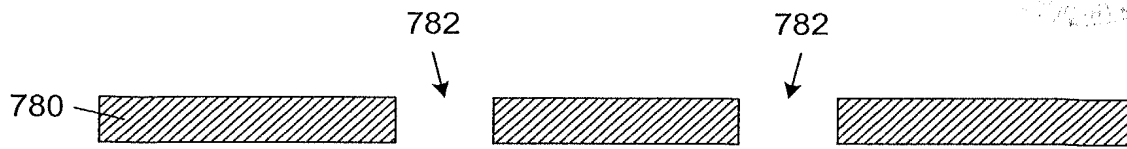


FIG. 29A

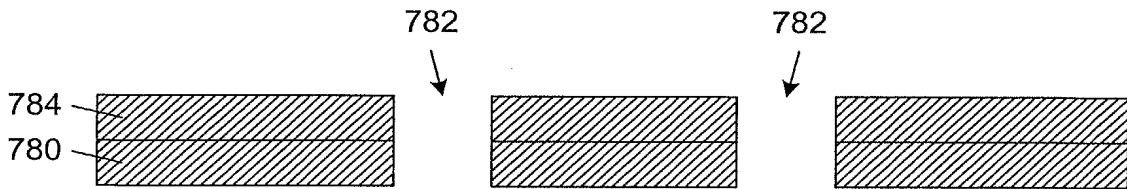


FIG. 29B

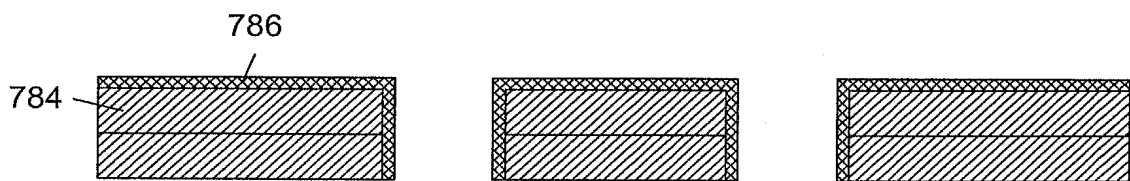


FIG. 29C

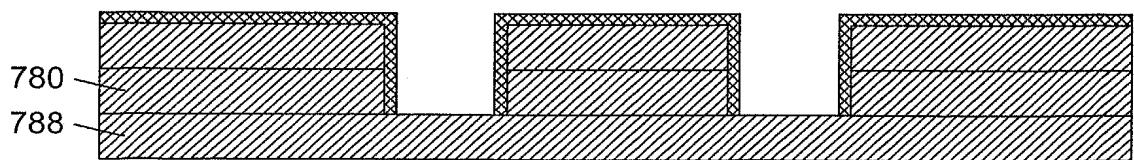


FIG. 29D

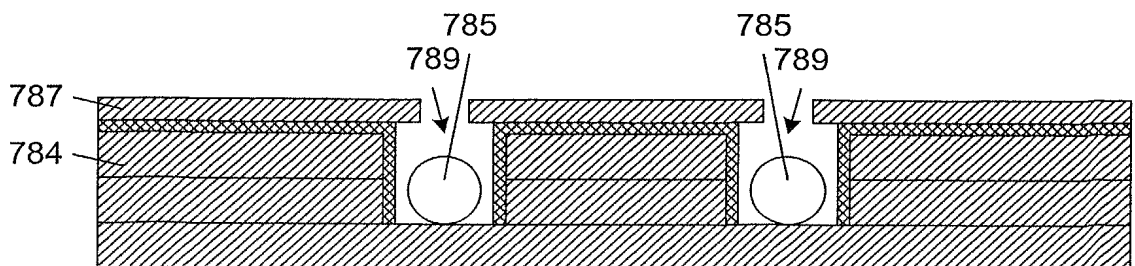


FIG. 29E

108160" CHESZ.60

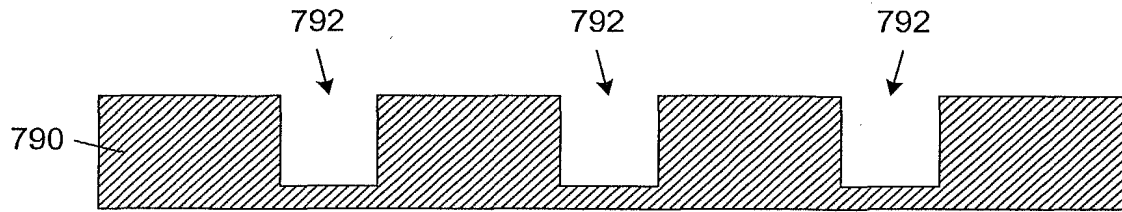


FIG. 30A

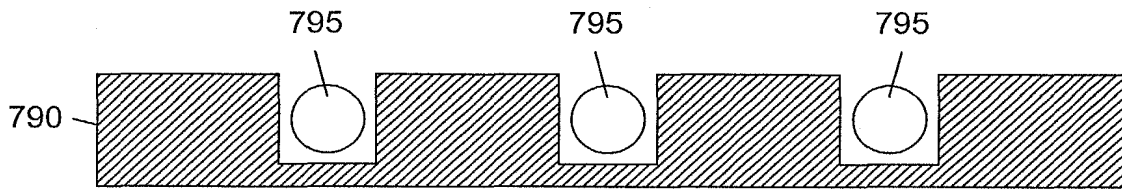


FIG. 30B

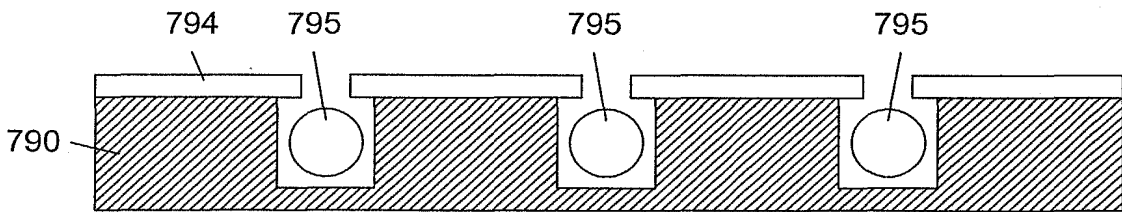


FIG. 30C

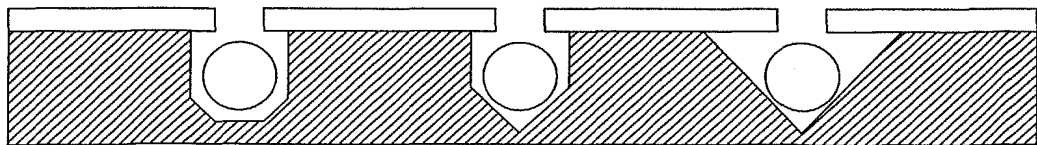


FIG. 30D

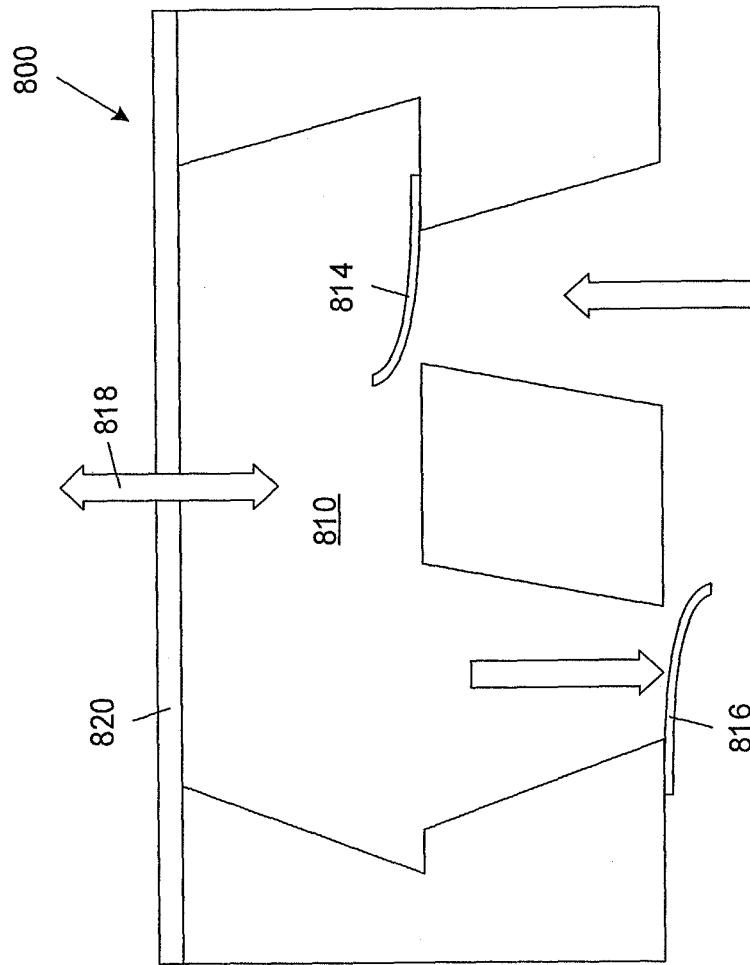


FIG. 31

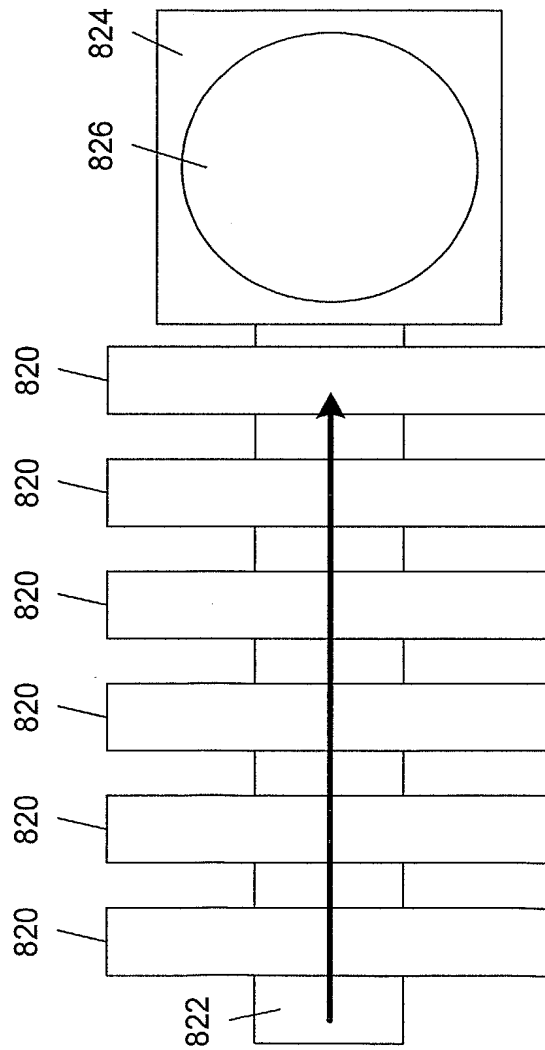
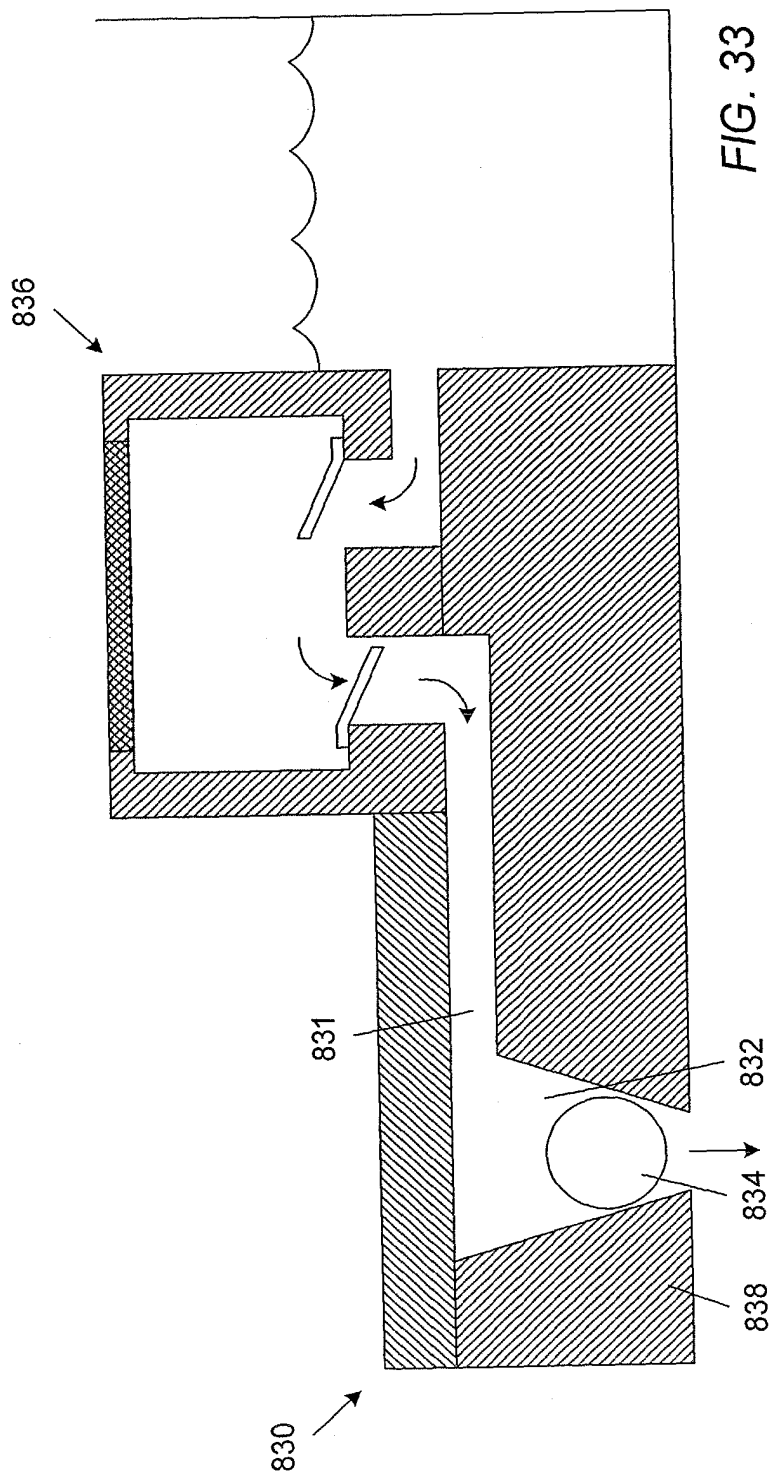


FIG. 32



41/87

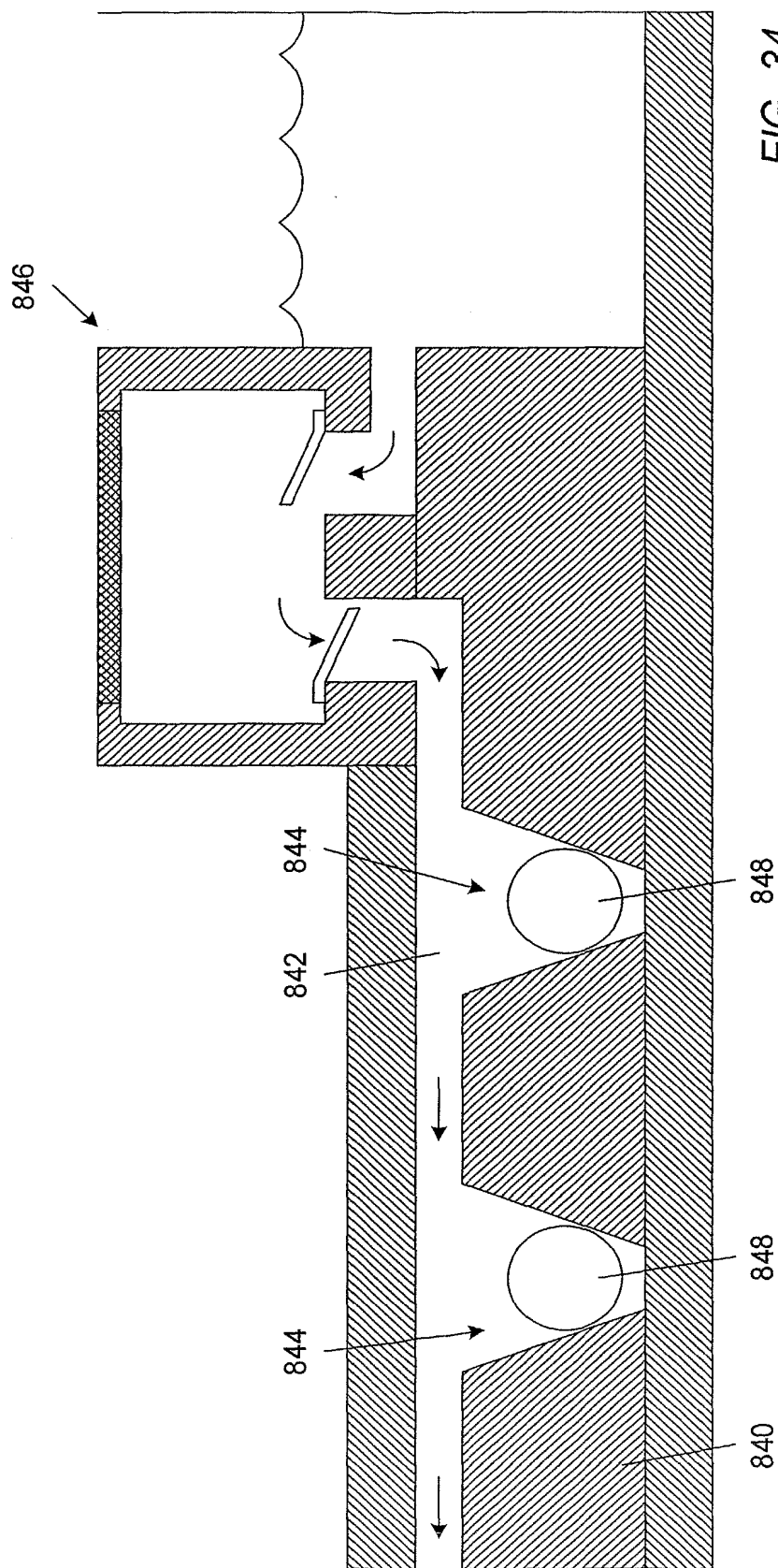
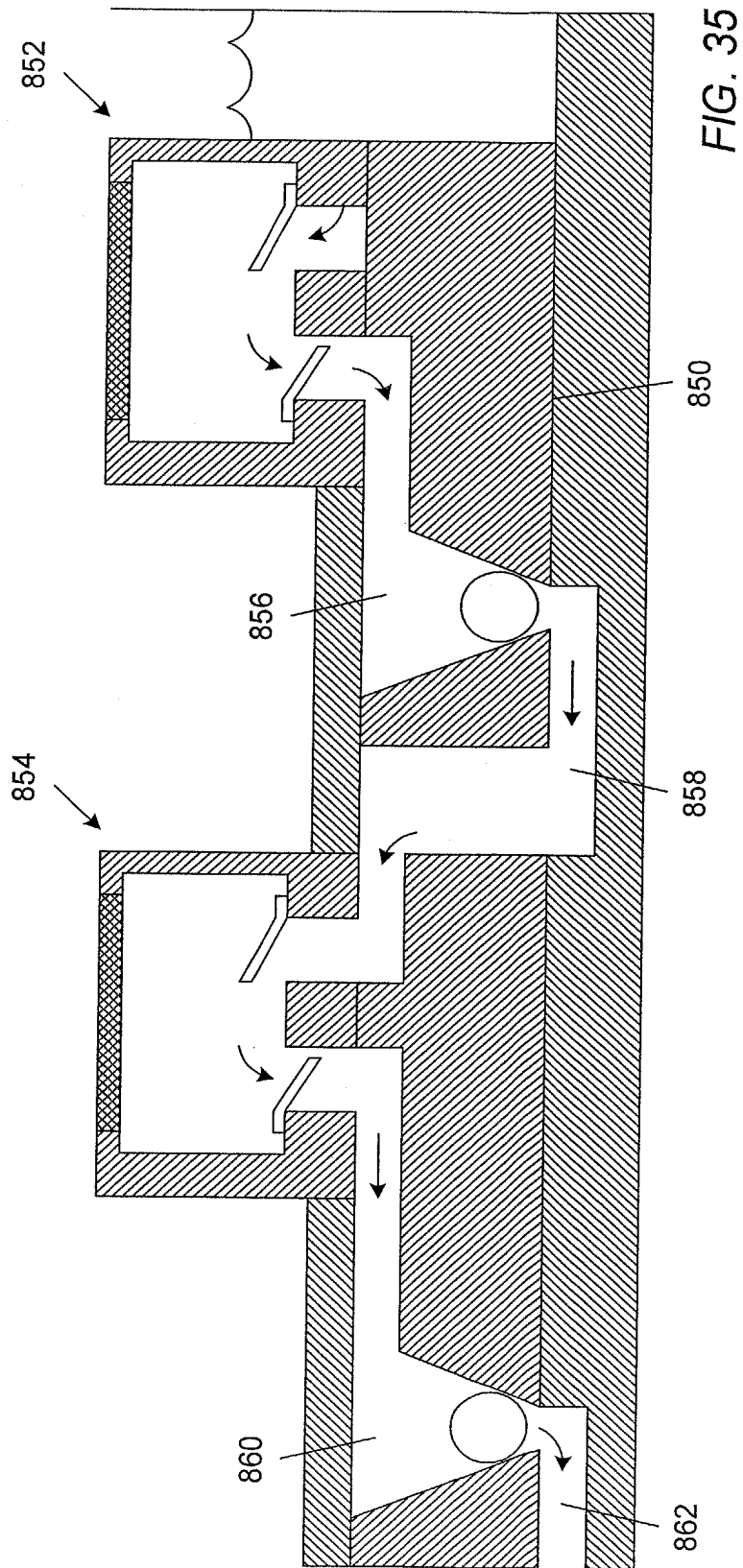


FIG. 34



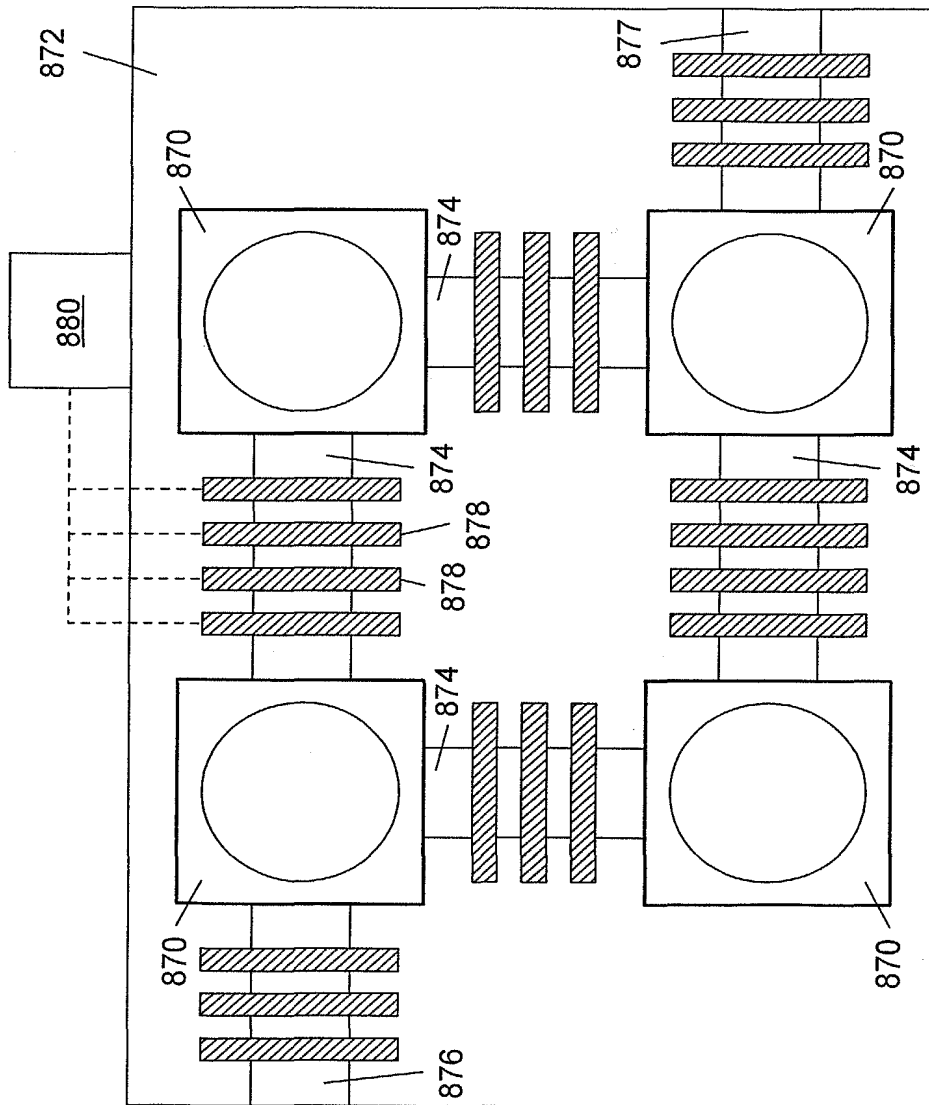
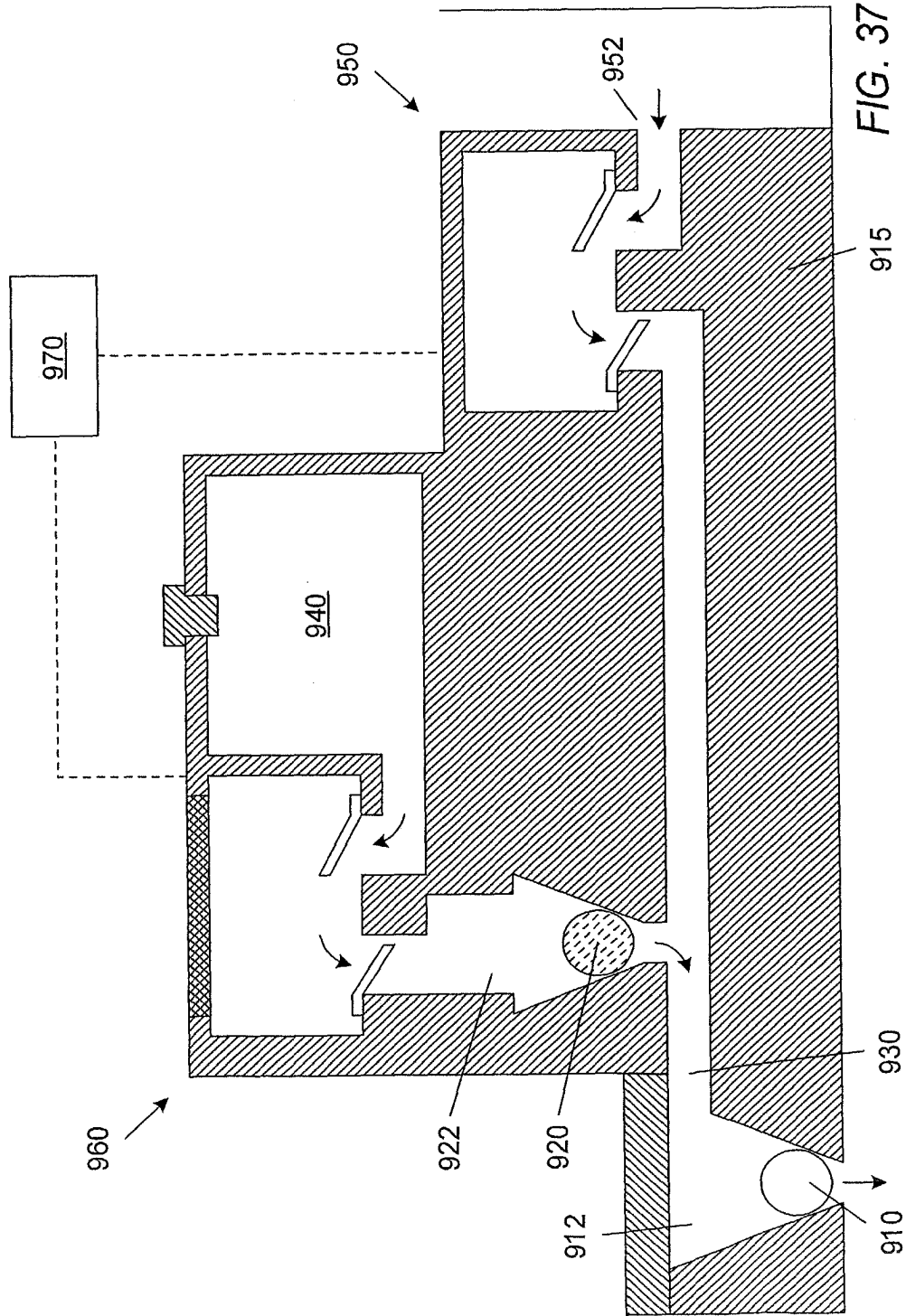


FIG. 36

FIG. 37



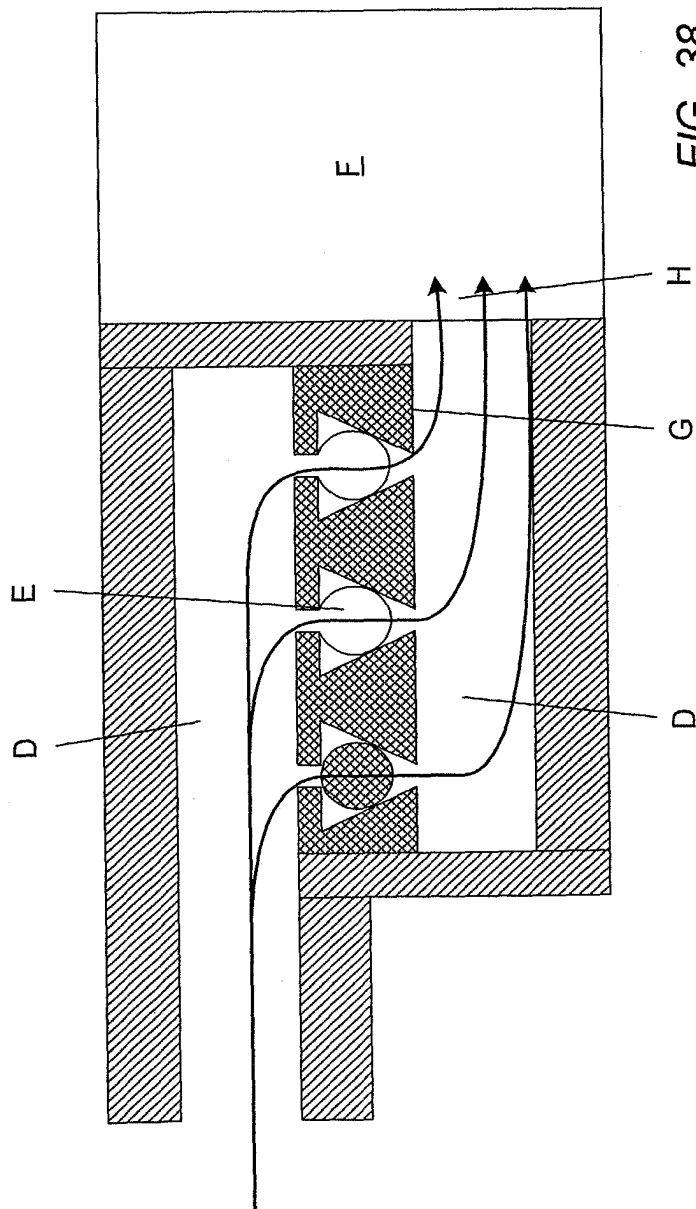


FIG. 38

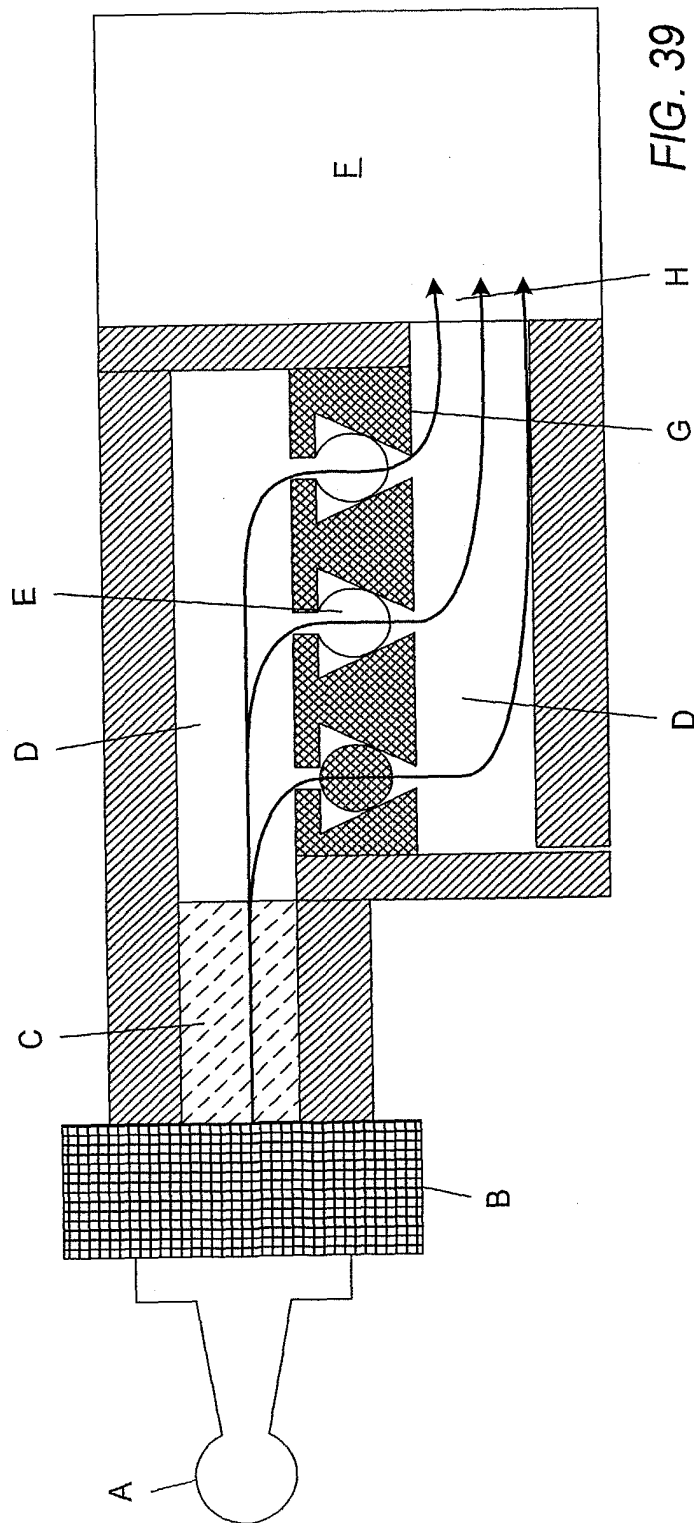


FIG. 39

FIG. 40B

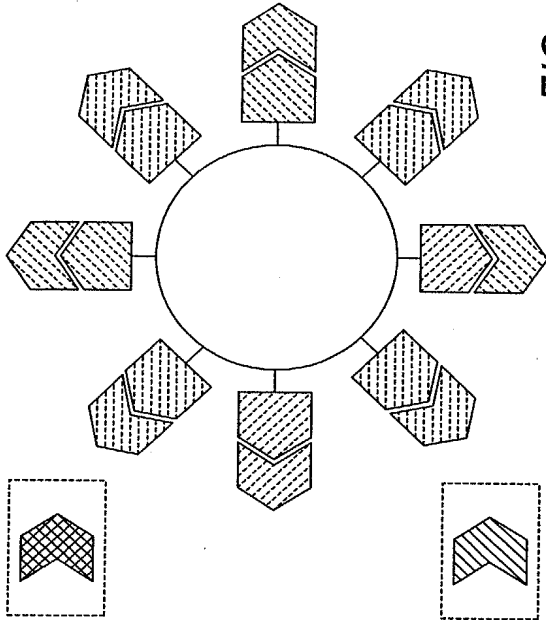


FIG. 40D

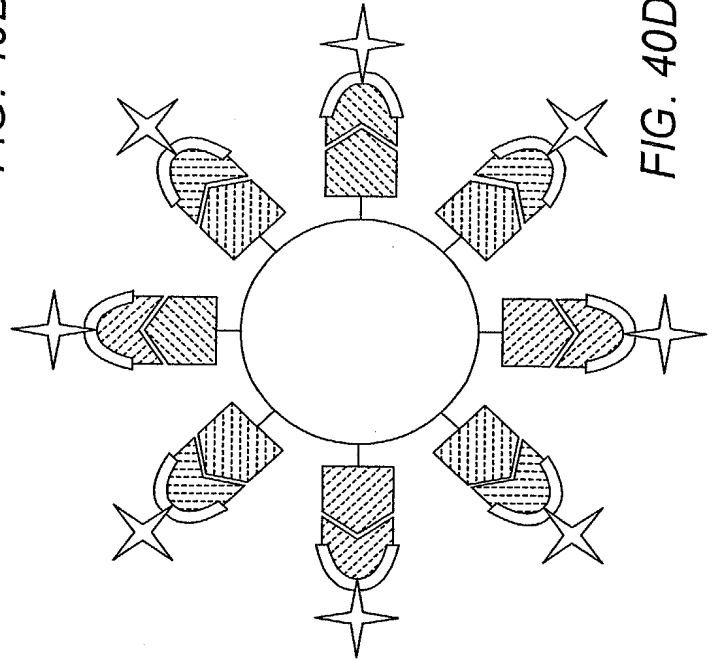


FIG. 40A

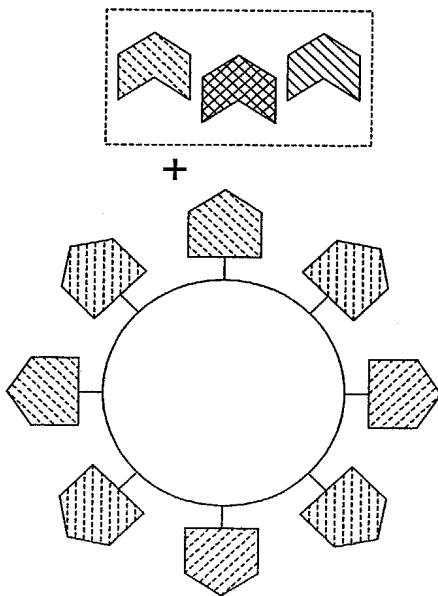
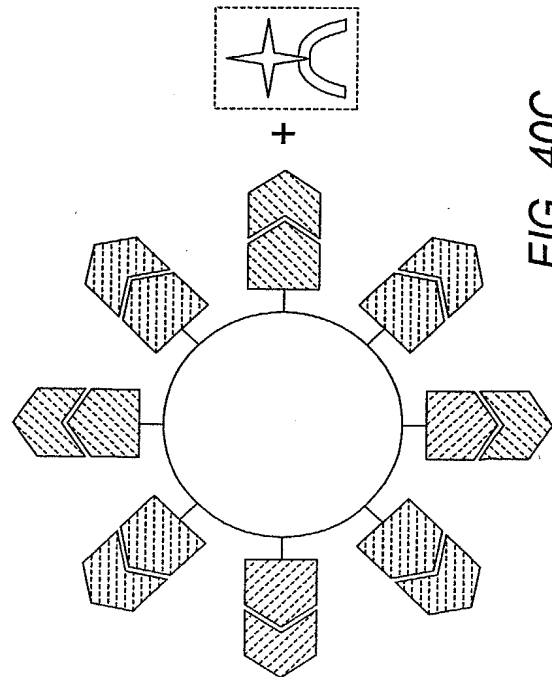


FIG. 40C



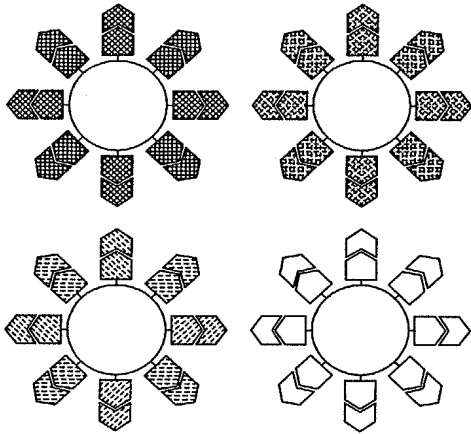


FIG. 41A

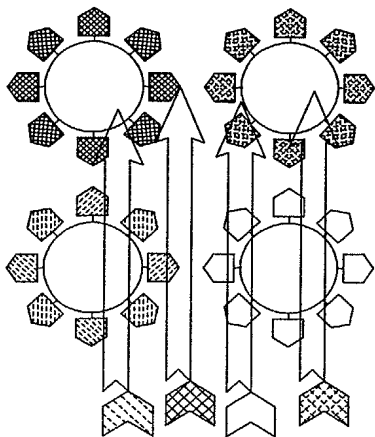


FIG. 41B

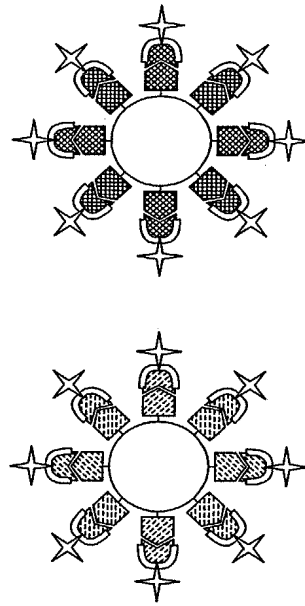


FIG. 41C

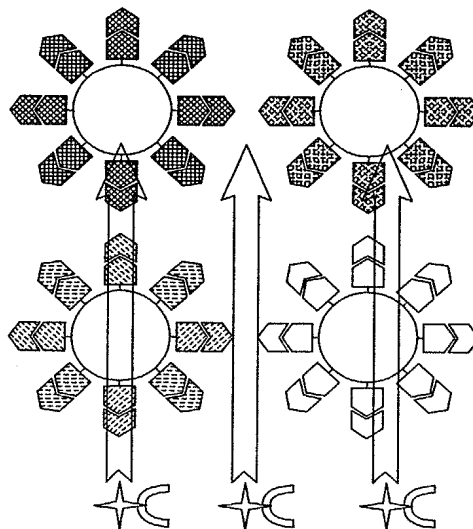


FIG. 41D

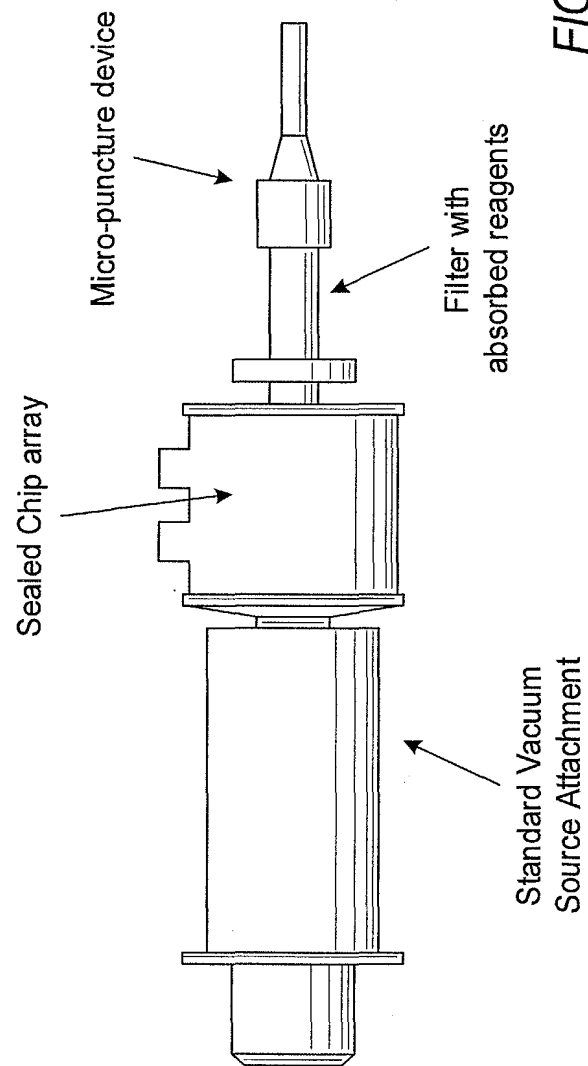


FIG. 42

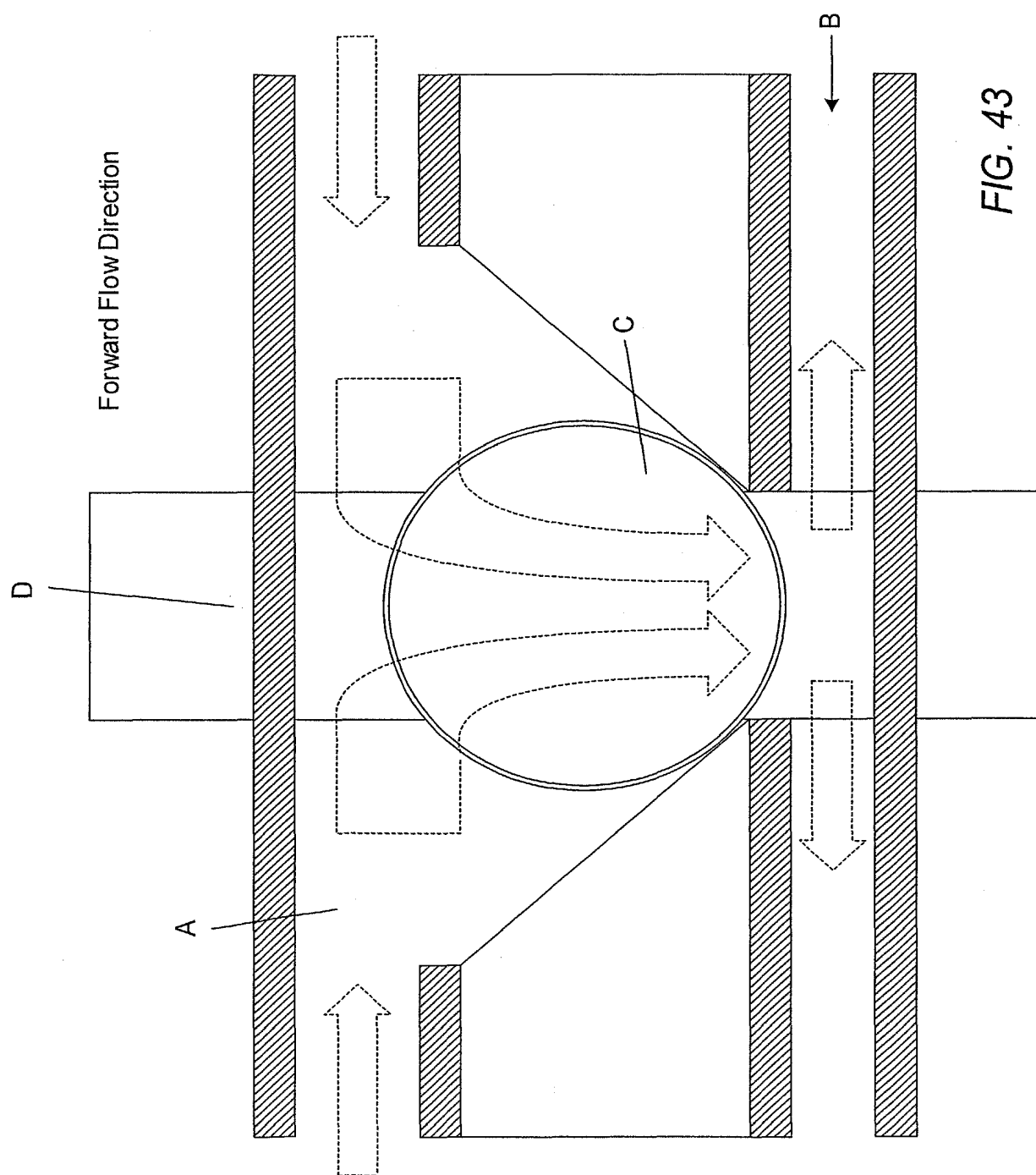


FIG. 43

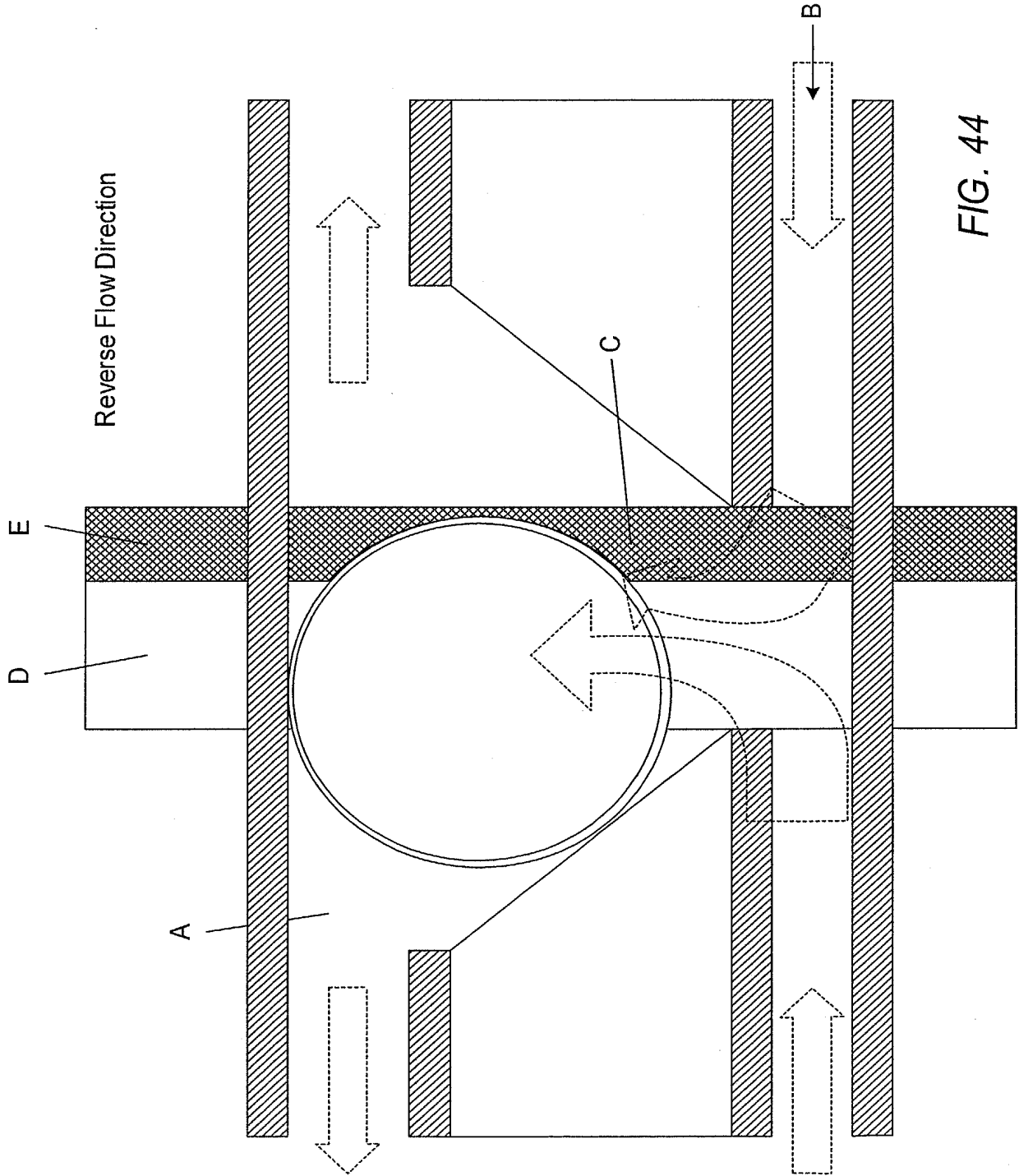


FIG. 44

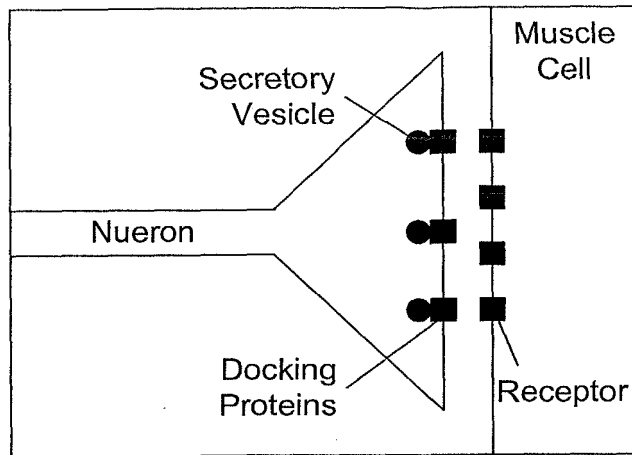


FIG. 45A

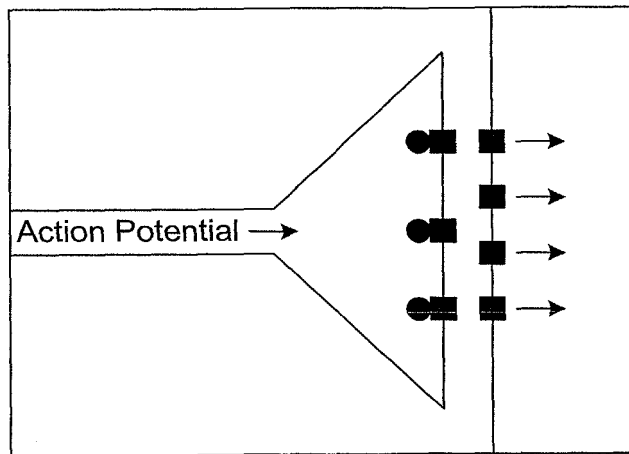


FIG. 45B

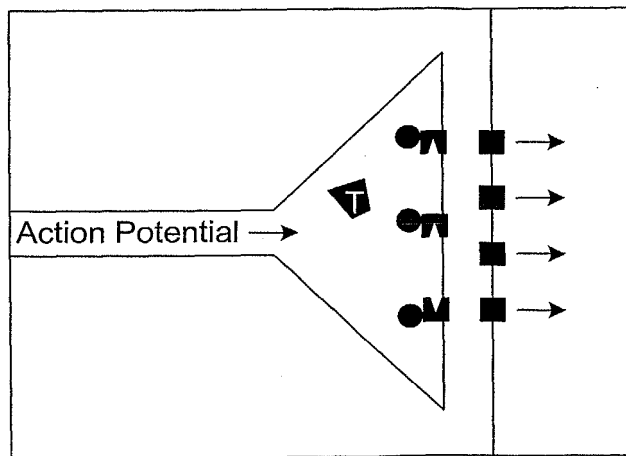


FIG. 45C

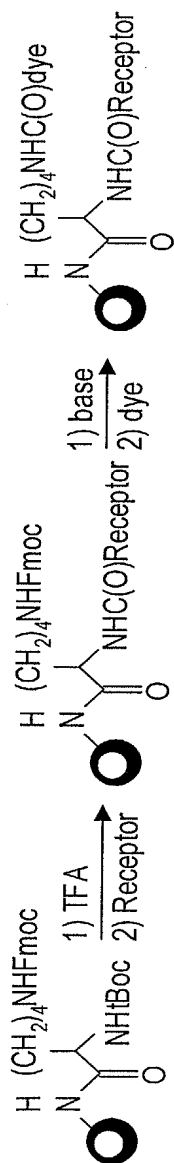


FIG. 45D

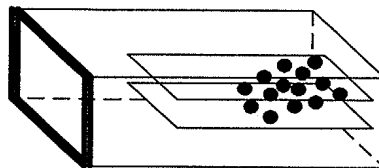


FIG. 46B

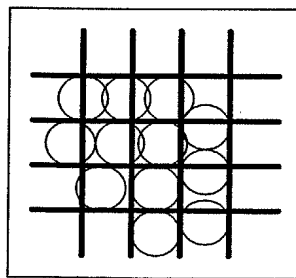


FIG. 46A

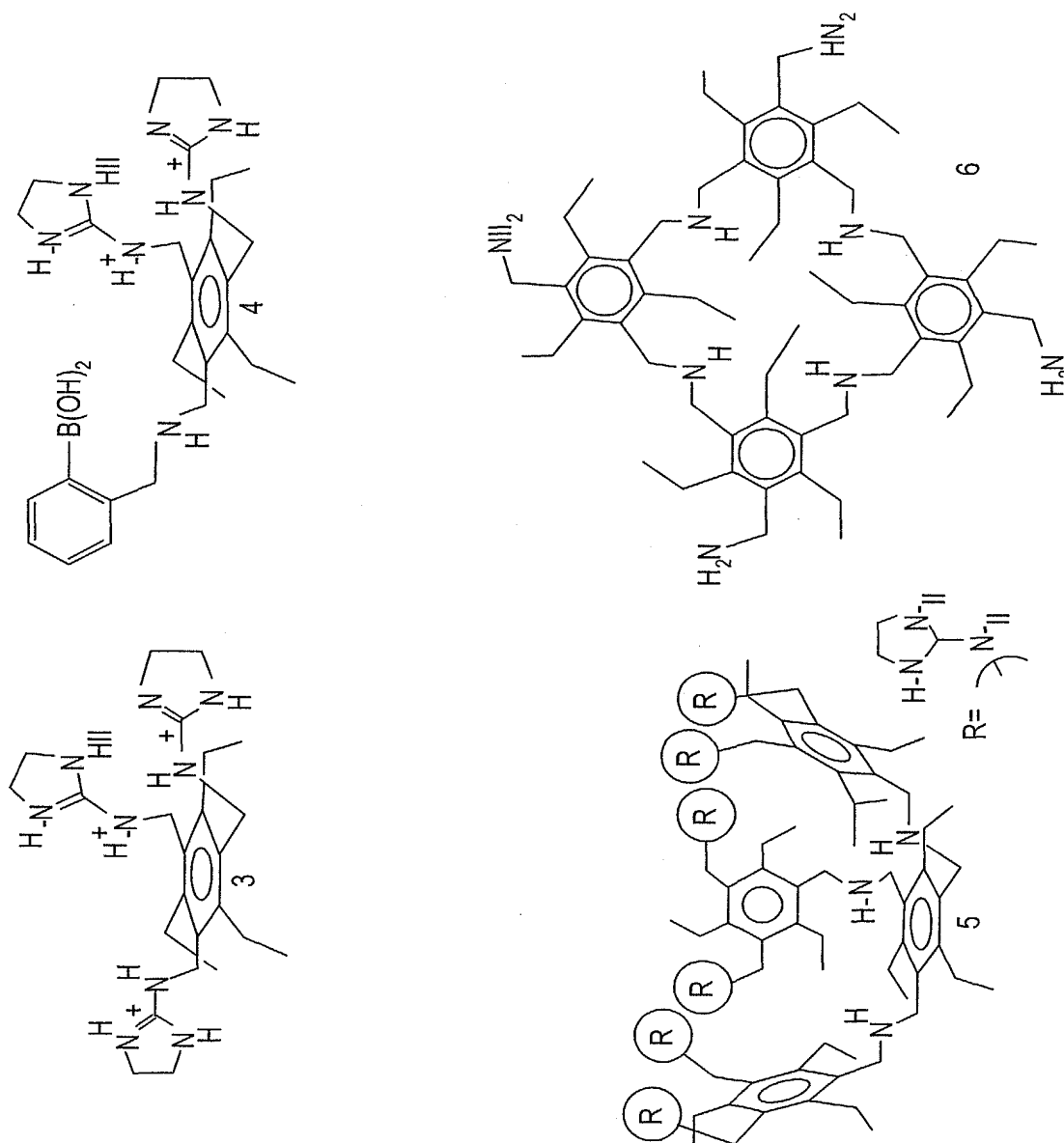


FIG. 47

55/87

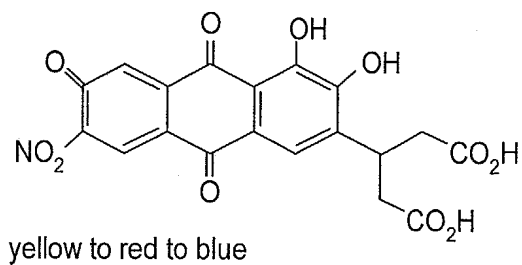
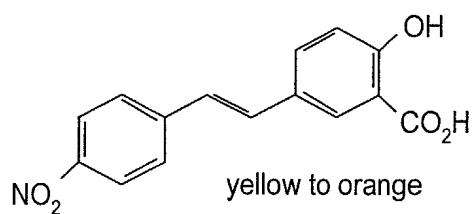
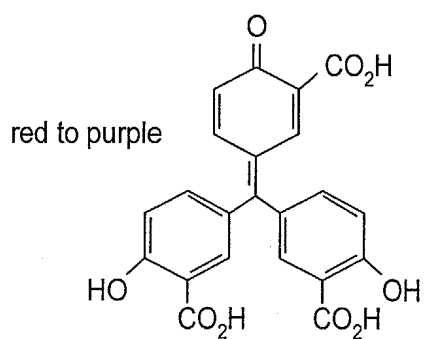
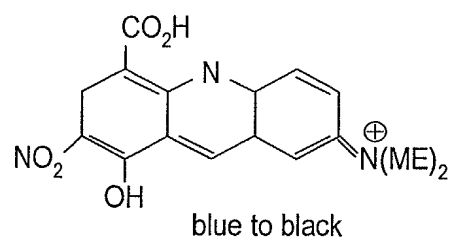
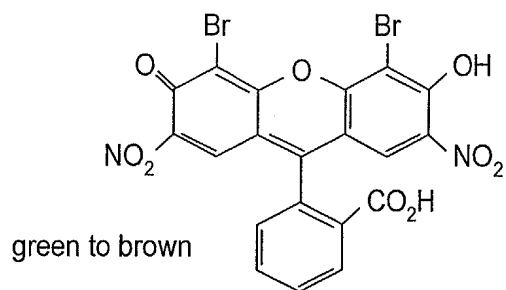


FIG. 48

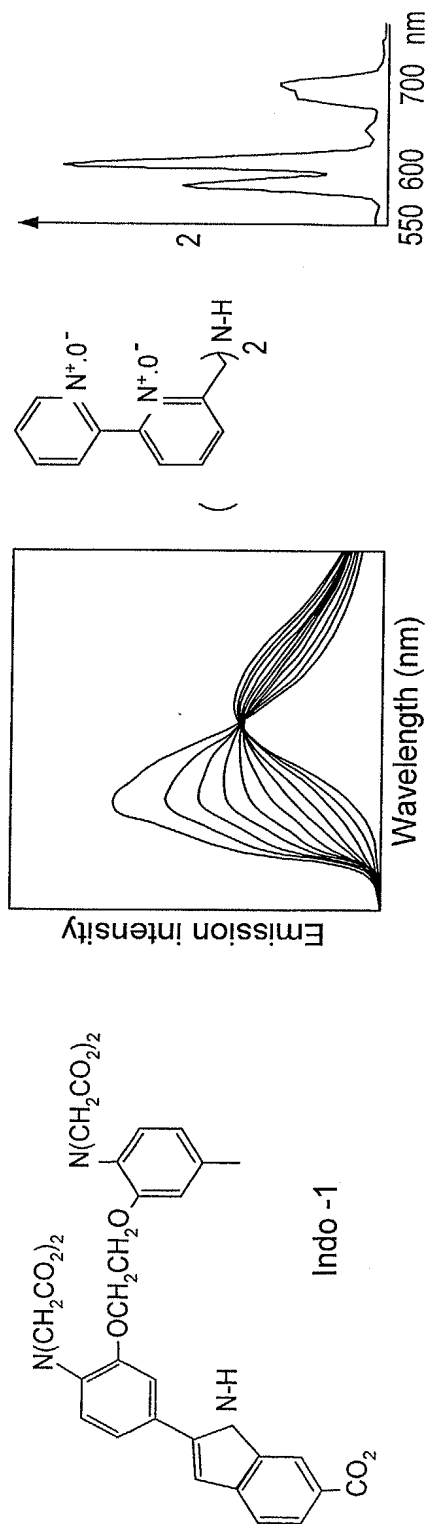
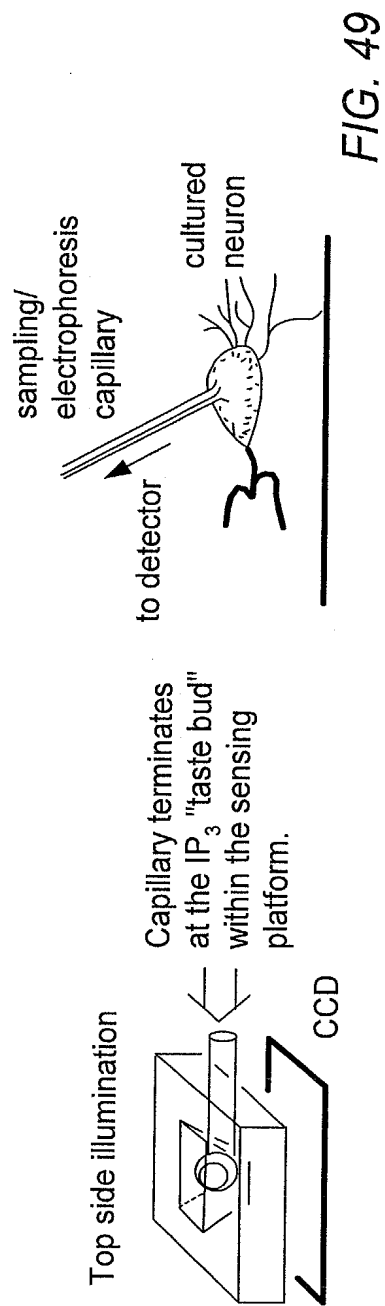


FIG. 51

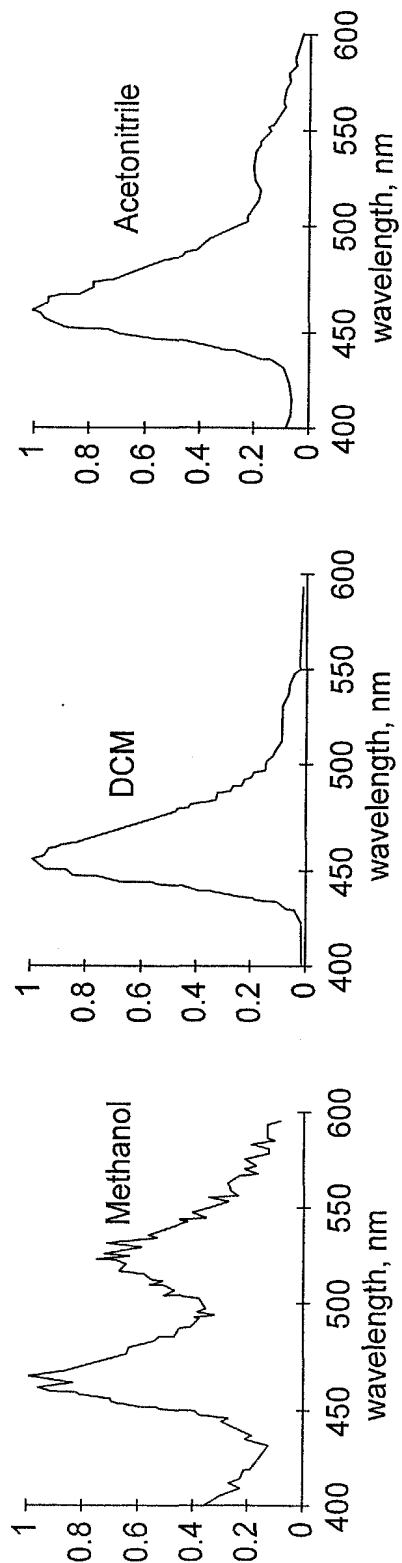
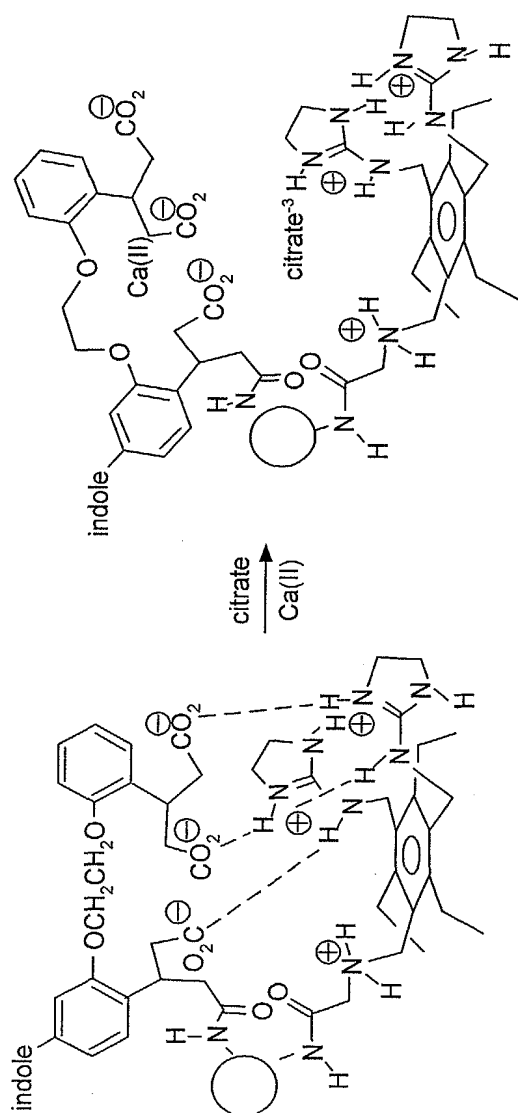


FIG. 52

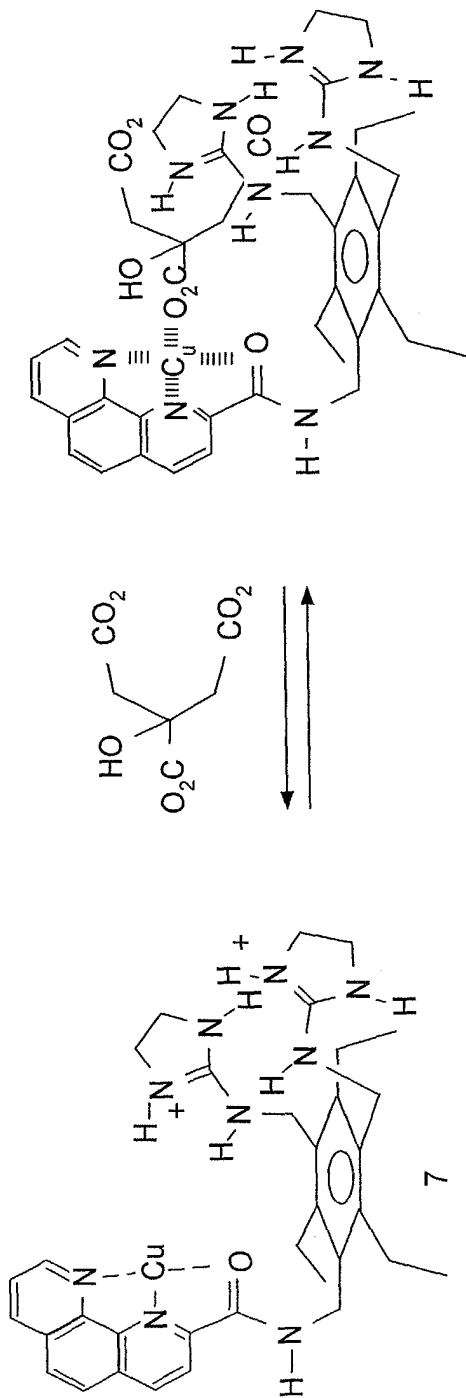


FIG. 53

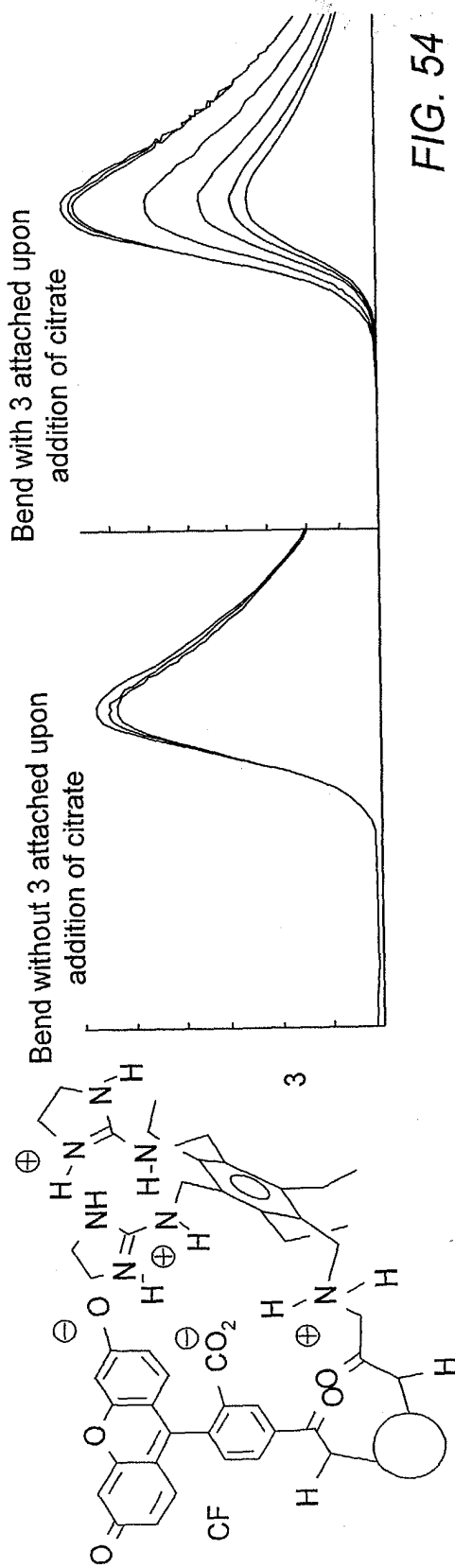


FIG. 54

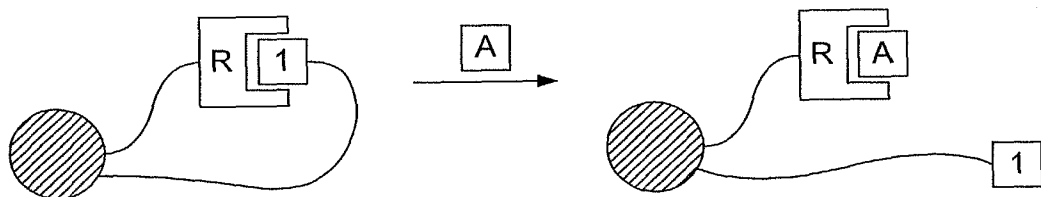


FIG. 55A

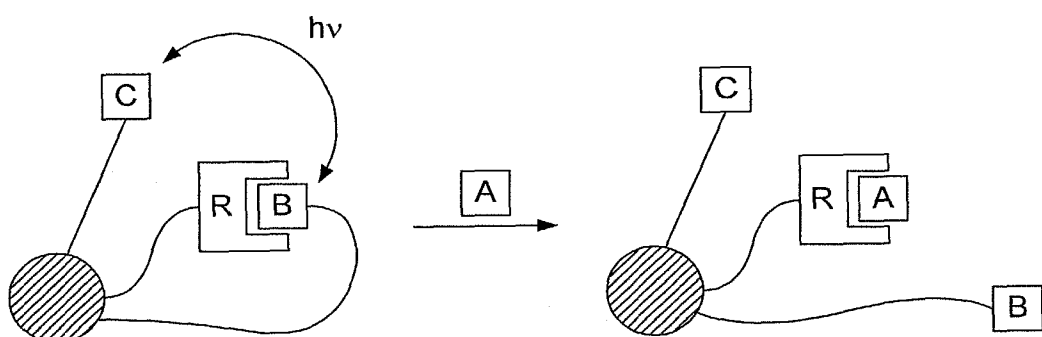


FIG. 55B

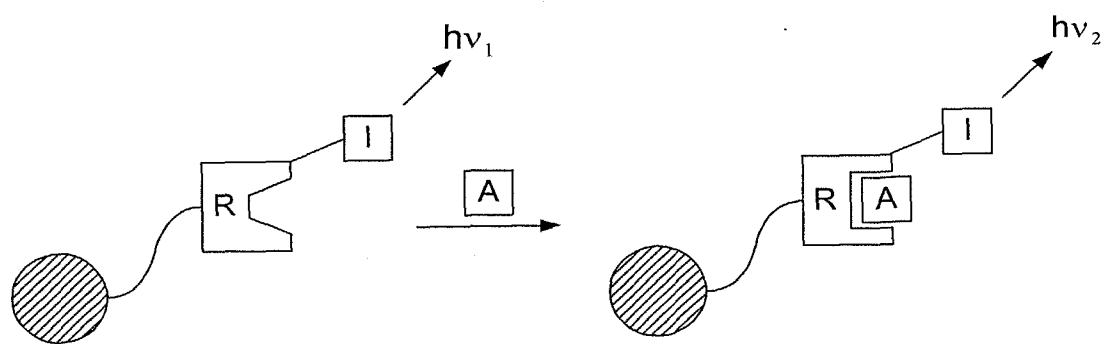


FIG. 55C

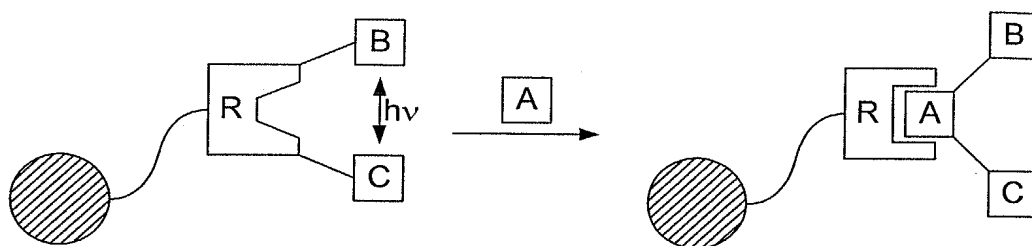


FIG. 55D

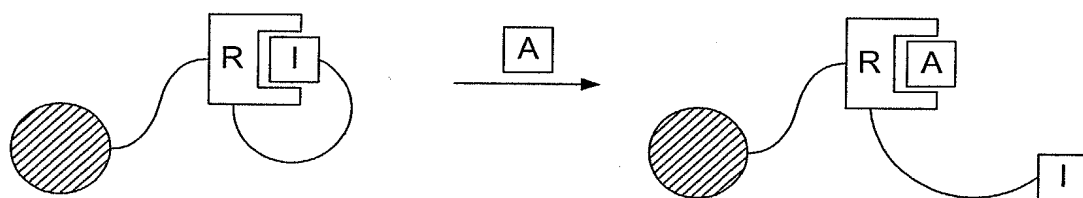


FIG. 55E

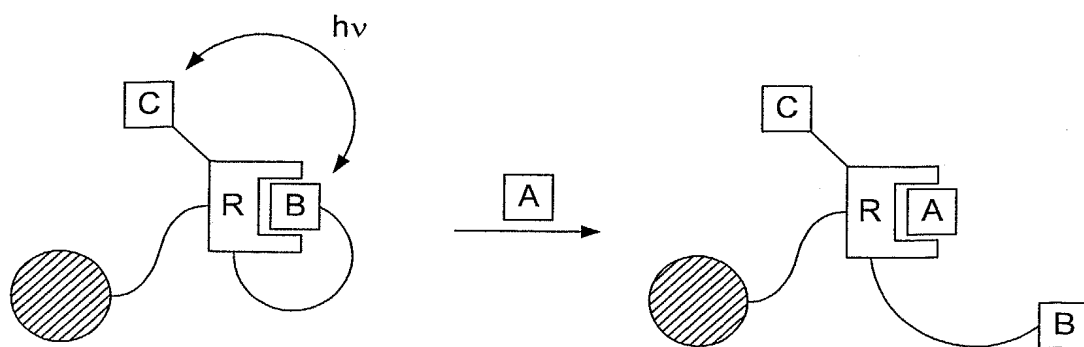


FIG. 55F

61/87

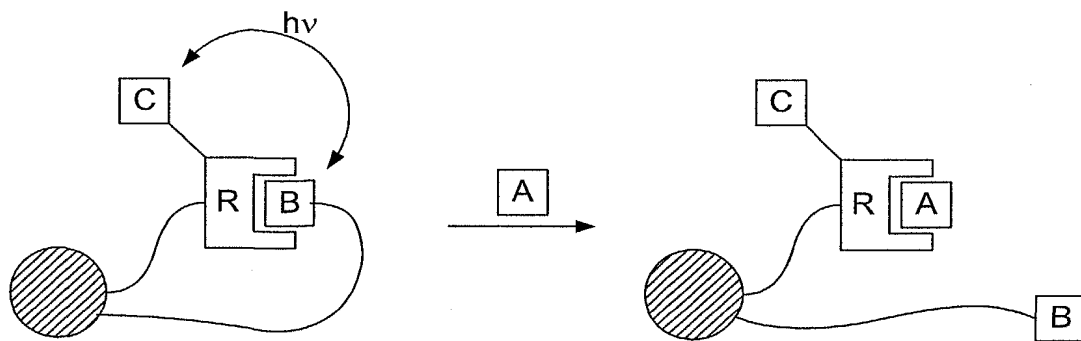


FIG. 55G

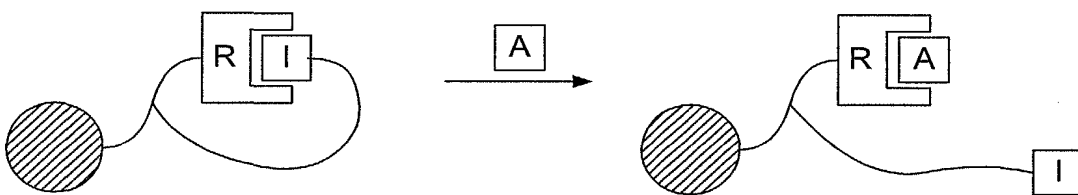


FIG. 55H

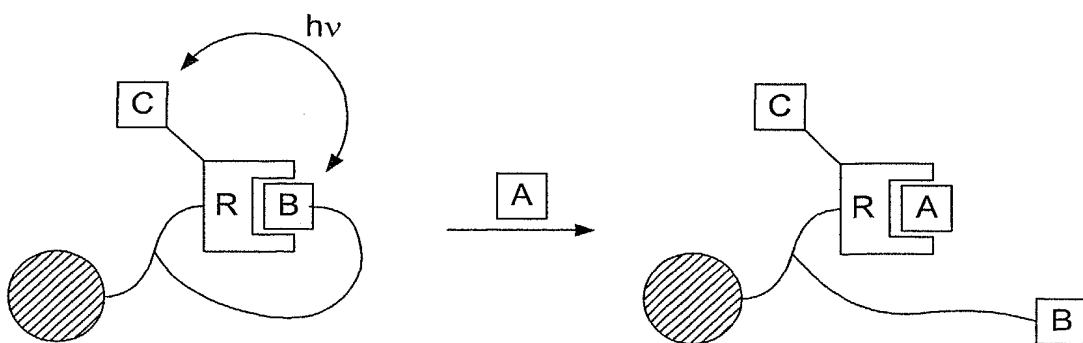
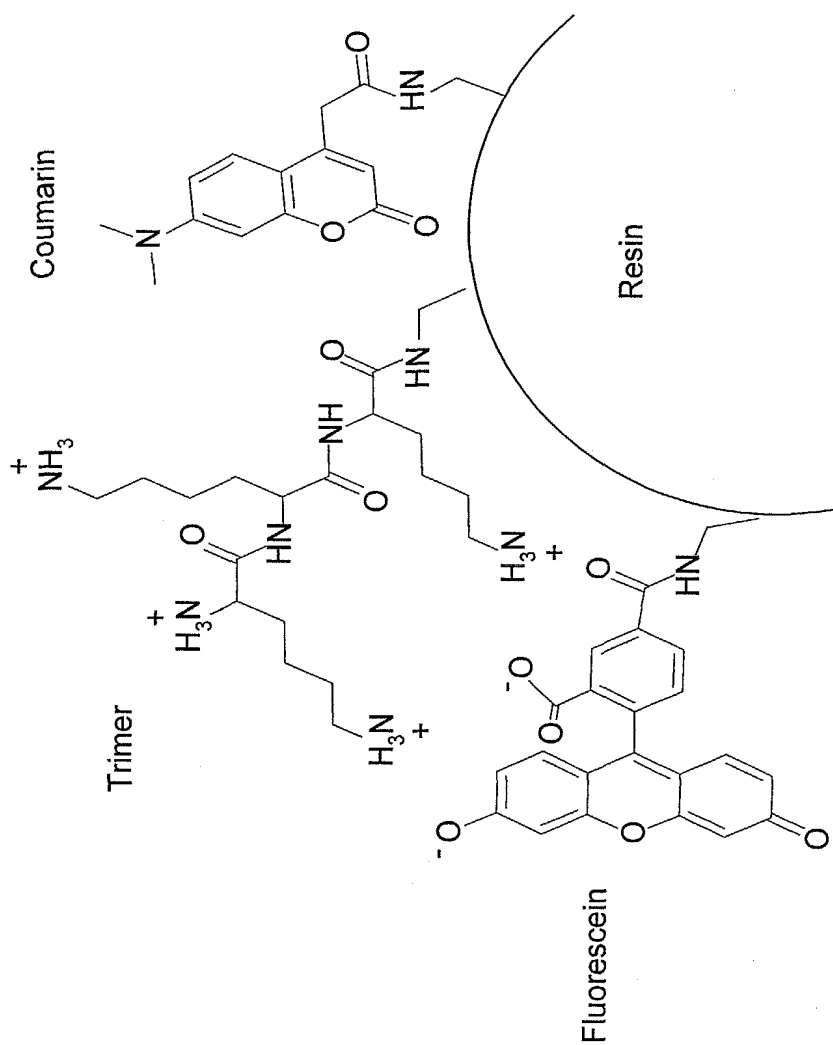


FIG. 55I

61/87



1

FIG. 56

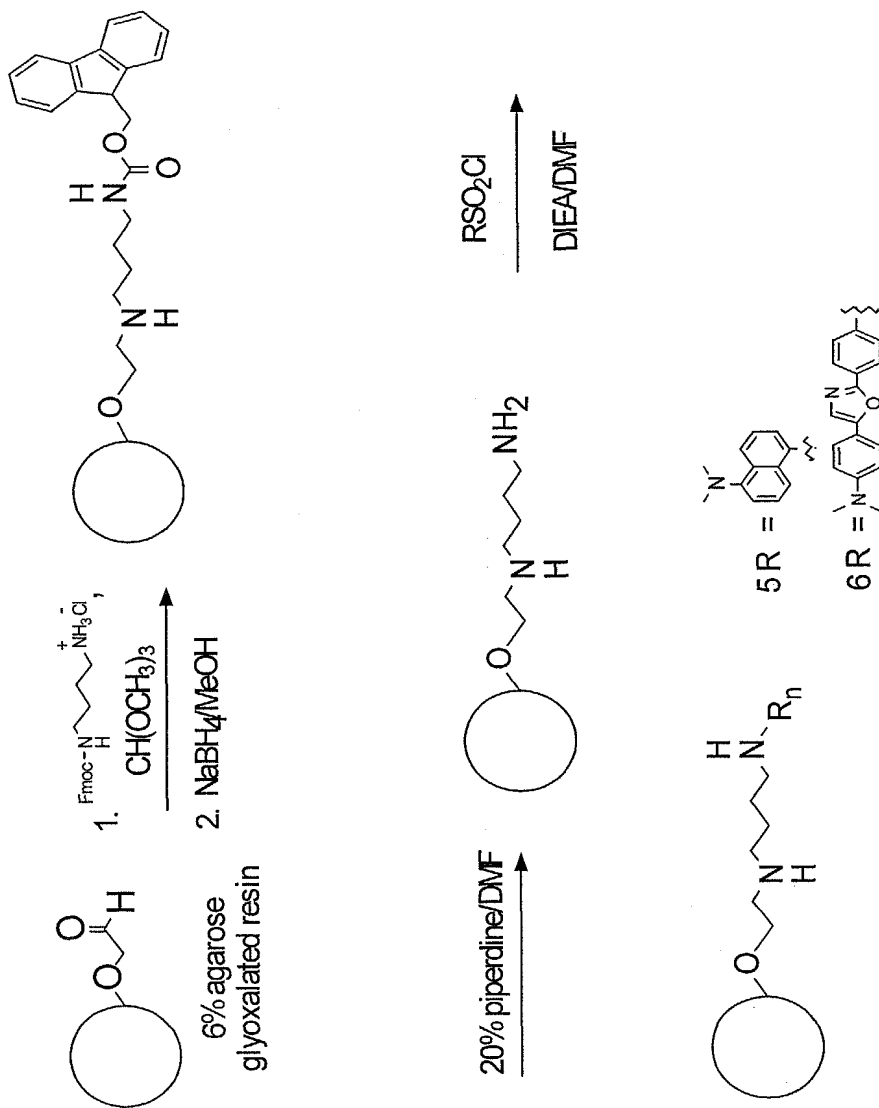


FIG. 57

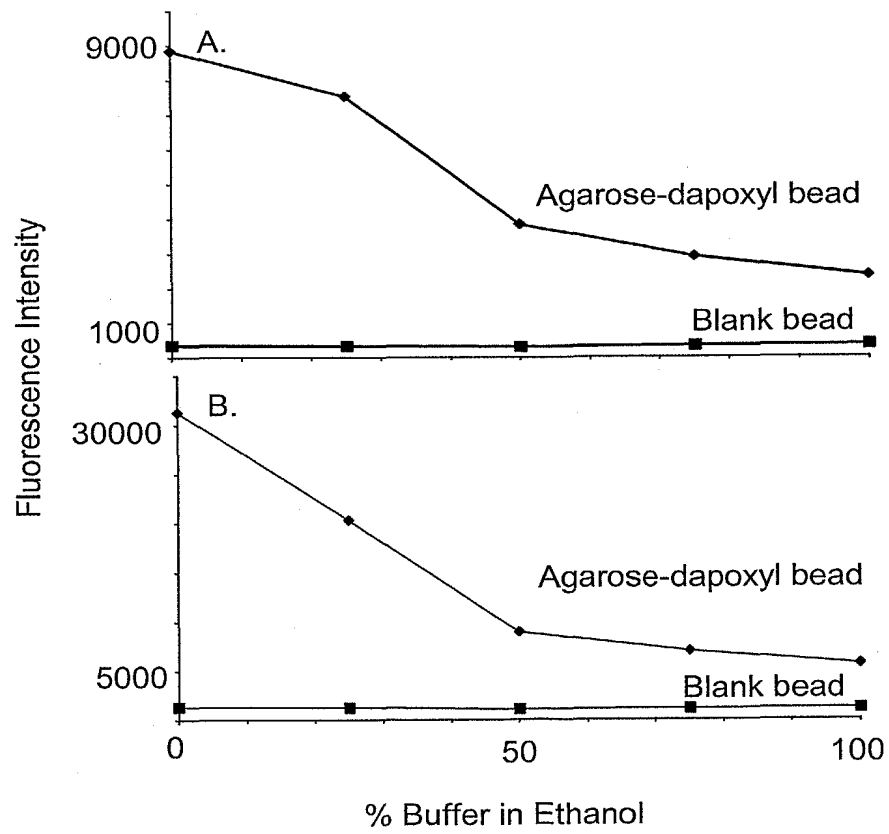


FIG. 58

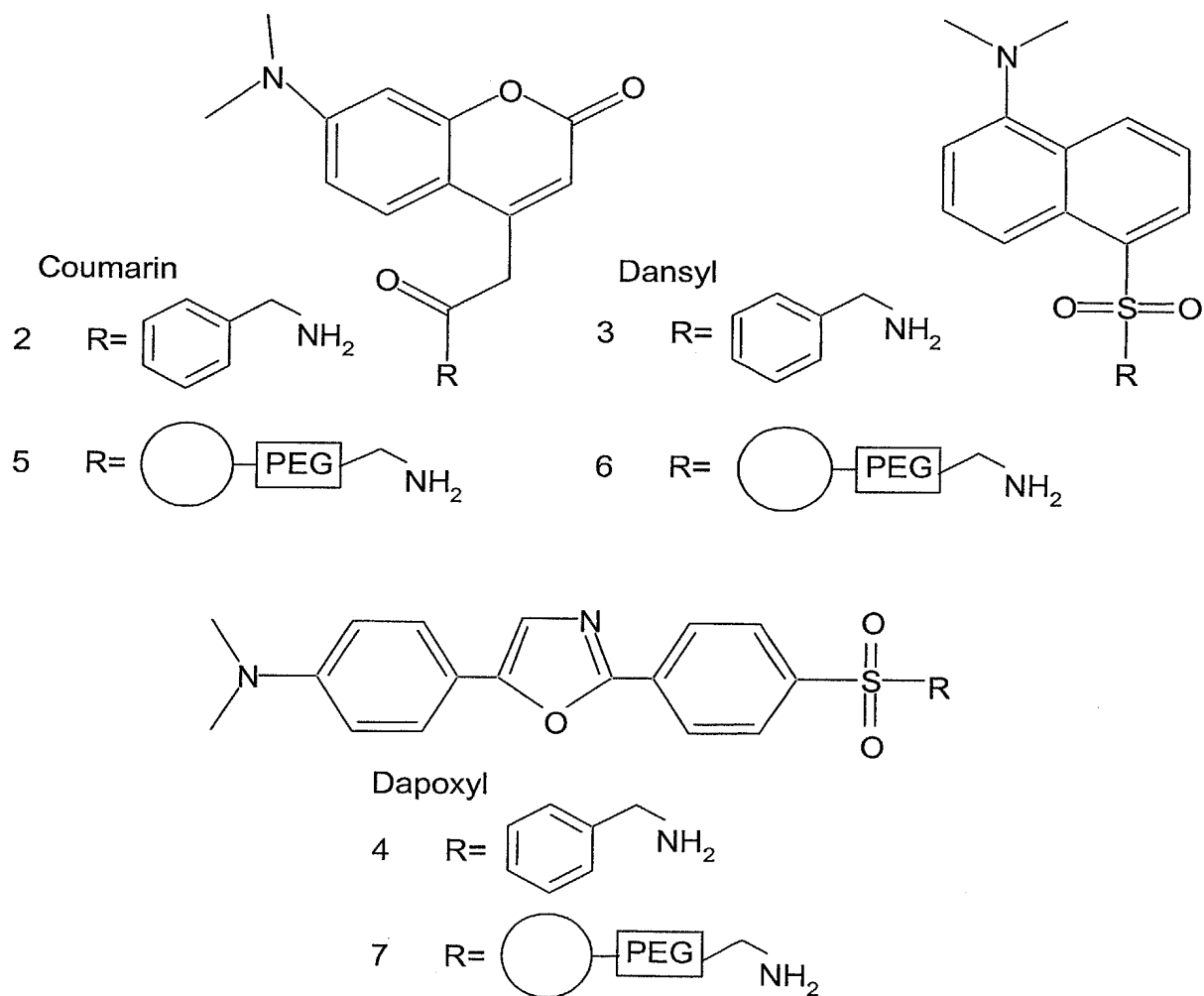


FIG. 59

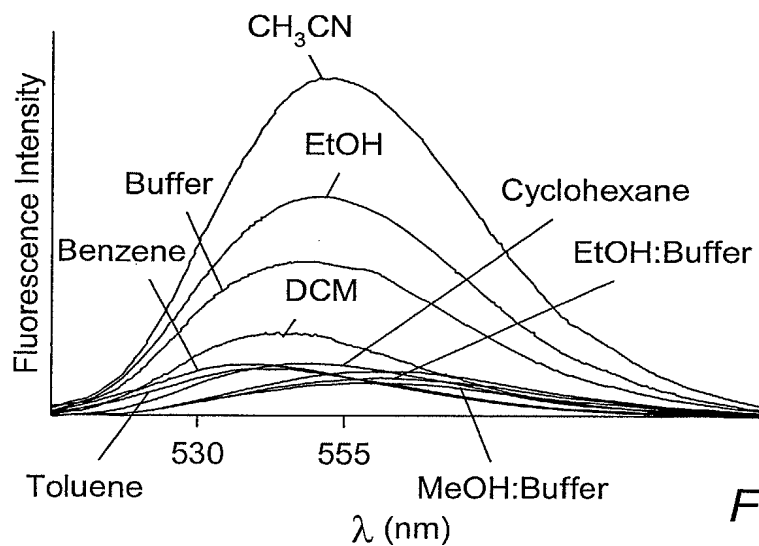
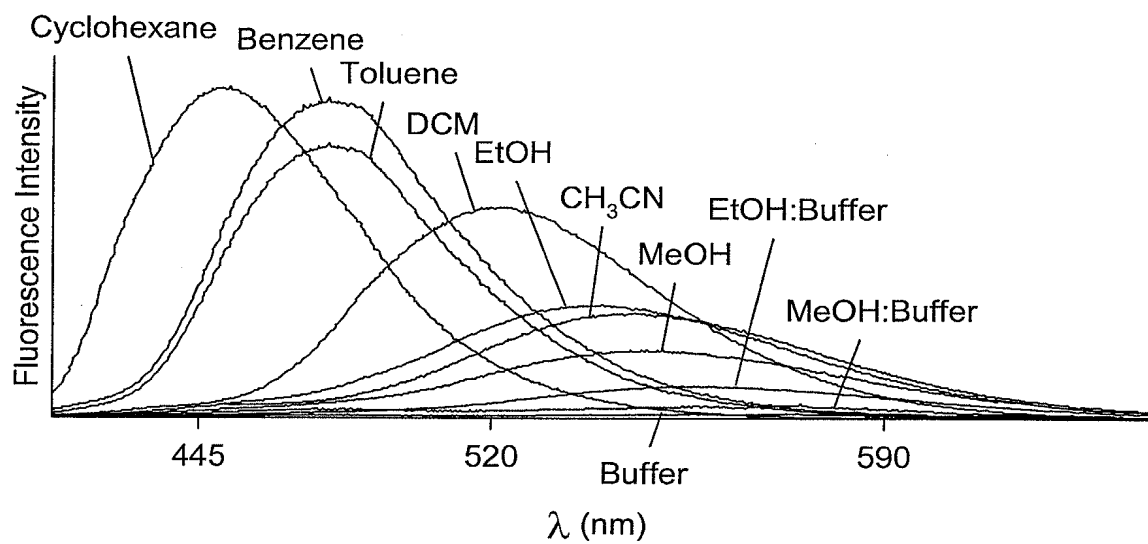
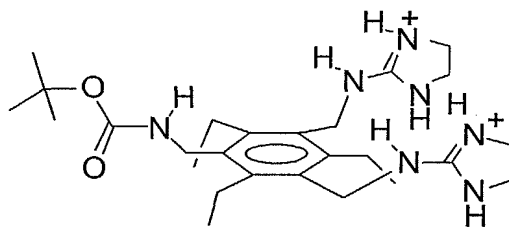


FIG. 60



1

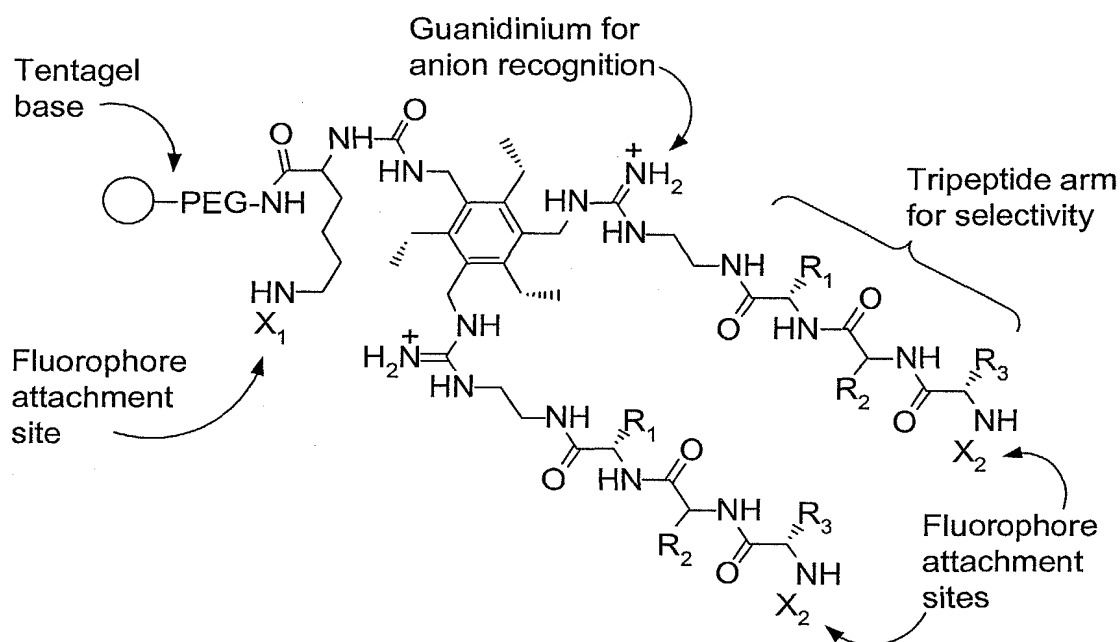
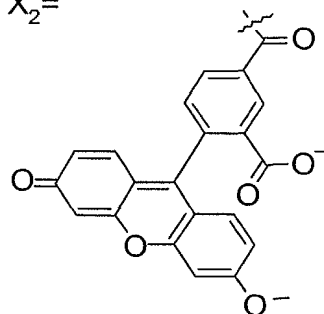
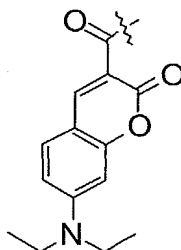
2: $X_1 = X_2 = H$ 3: $X_1 =$ $X_2 =$ 

FIG. 61

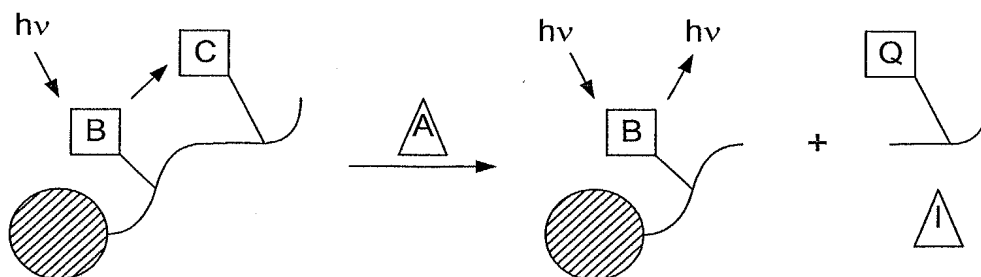


FIG. 62A

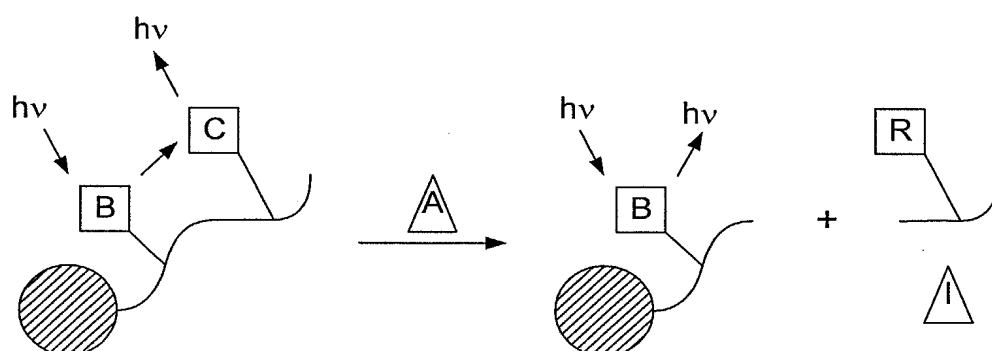


FIG. 62B

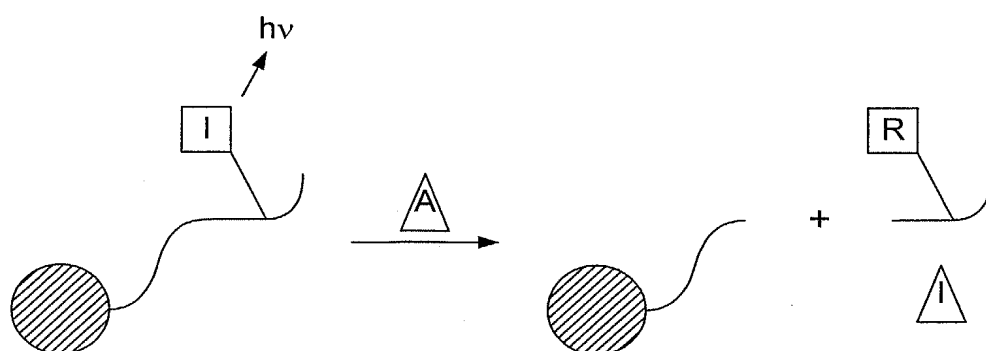


FIG. 62C

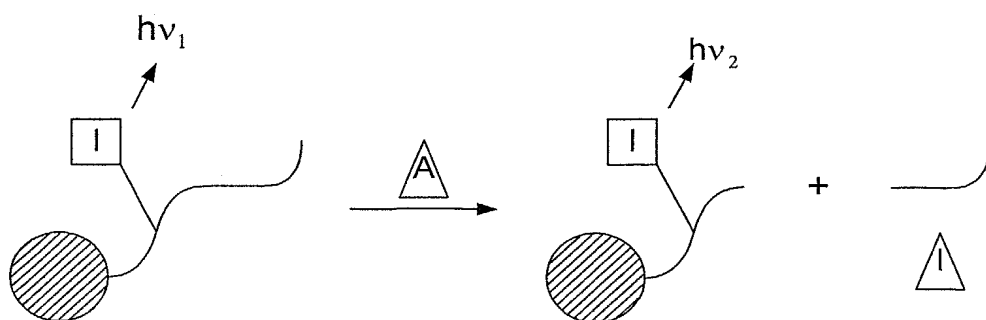


FIG. 62D

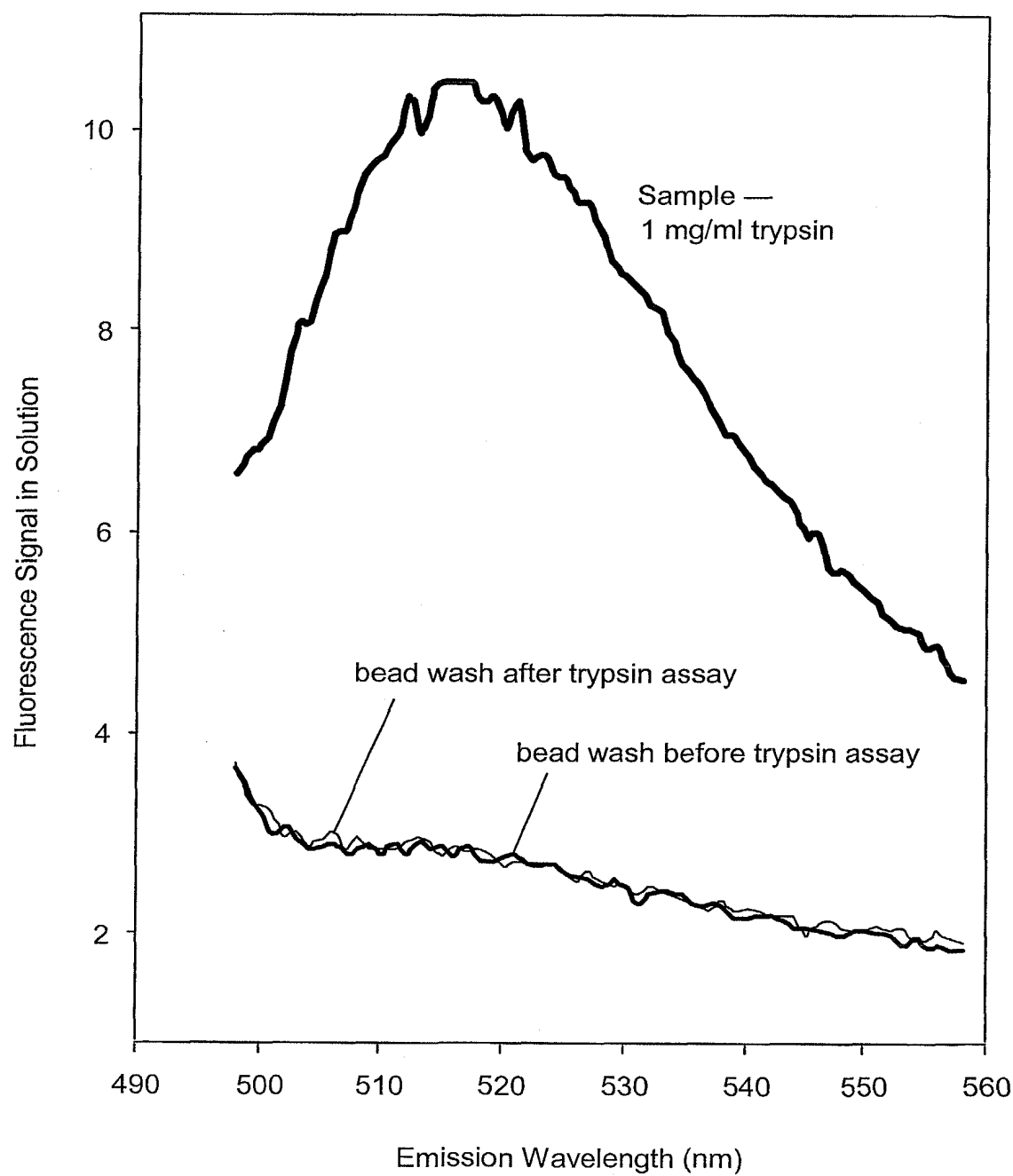


FIG. 63

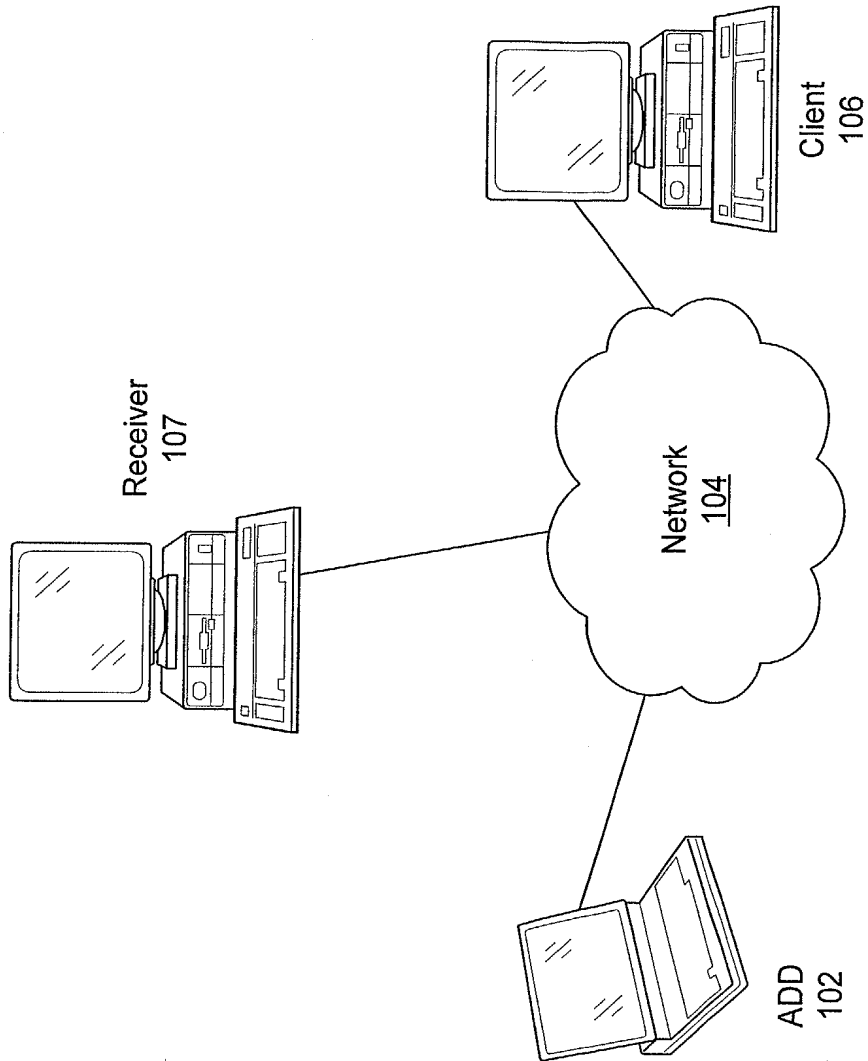


FIG. 64

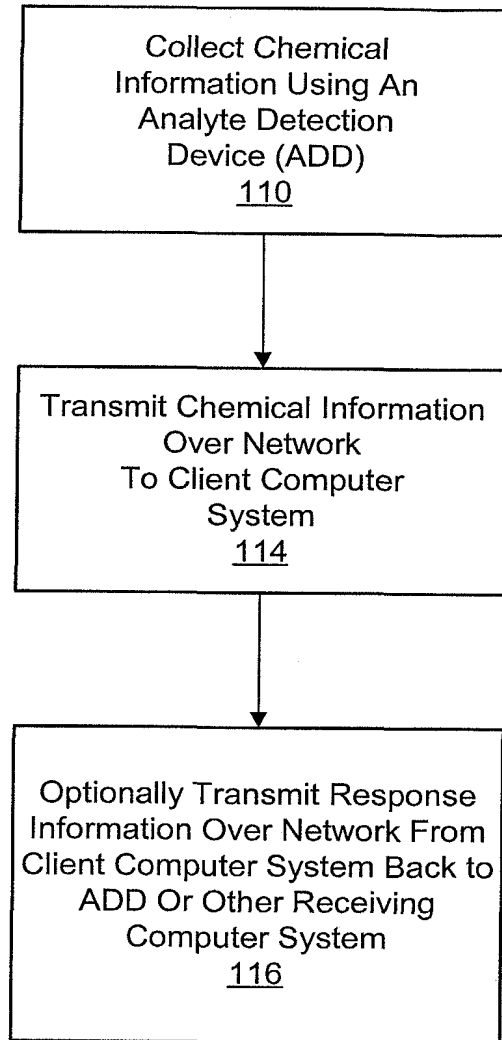


FIG. 65

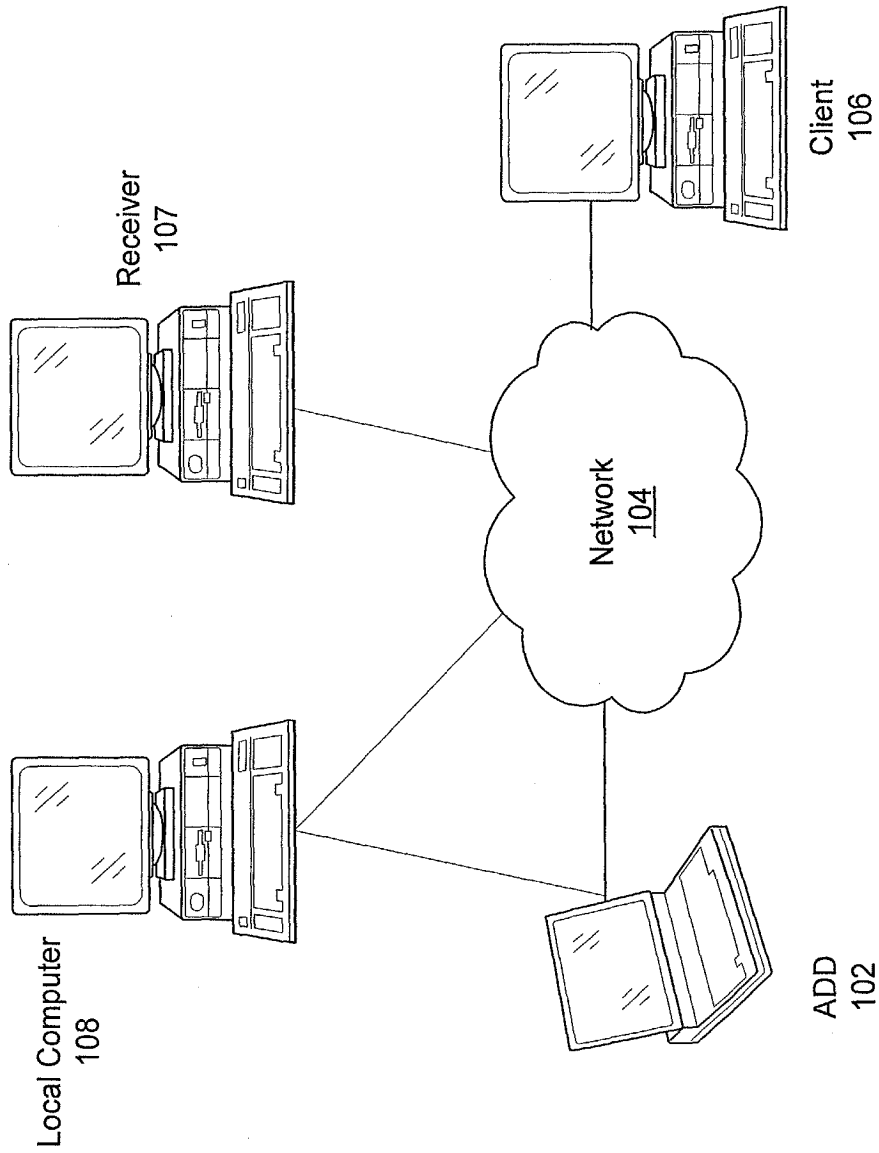


FIG. 66

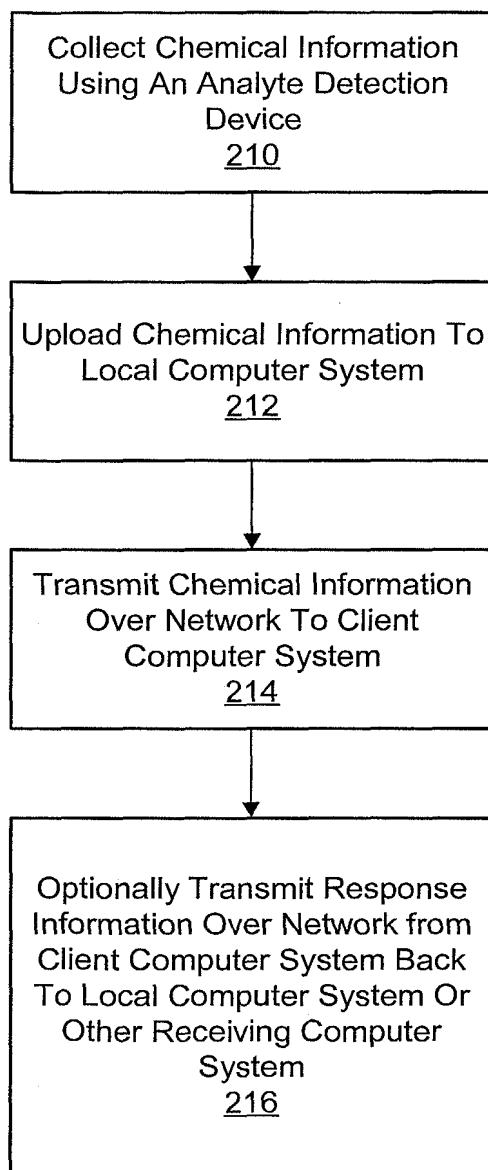


FIG. 67

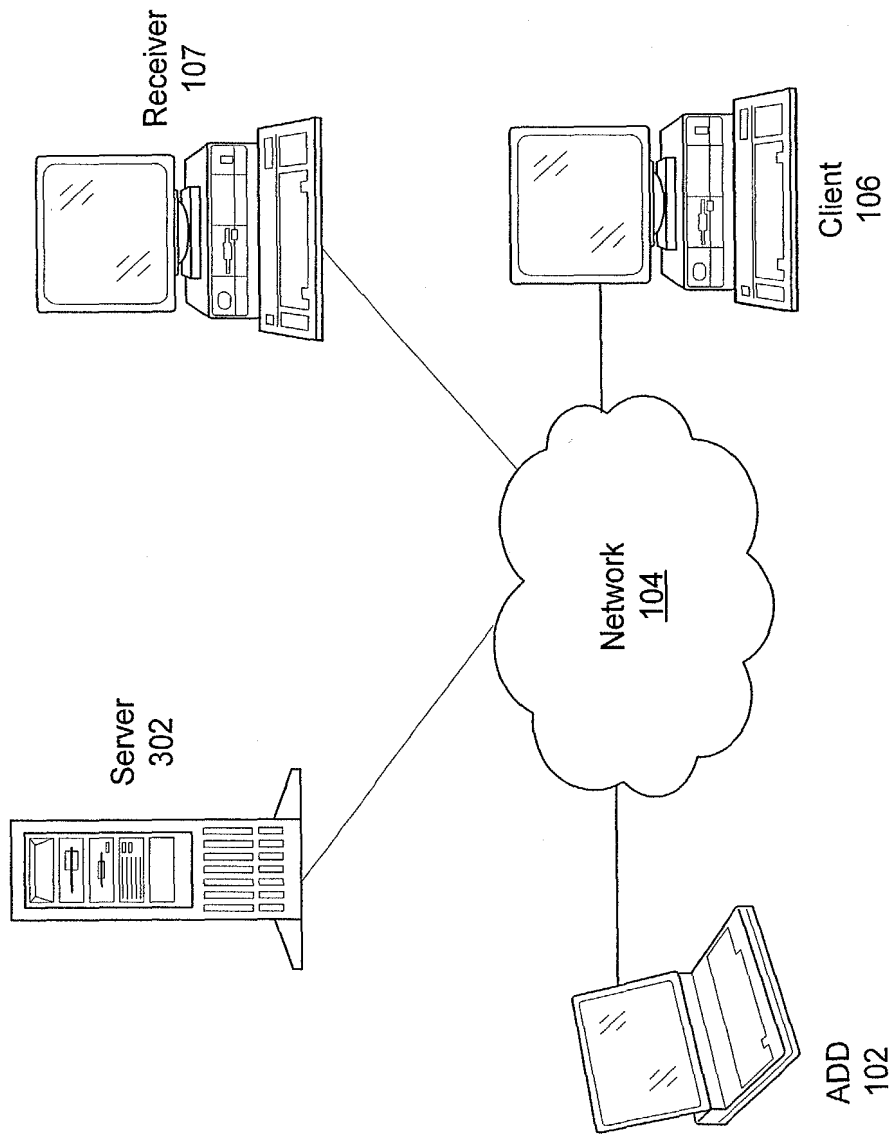


FIG. 68

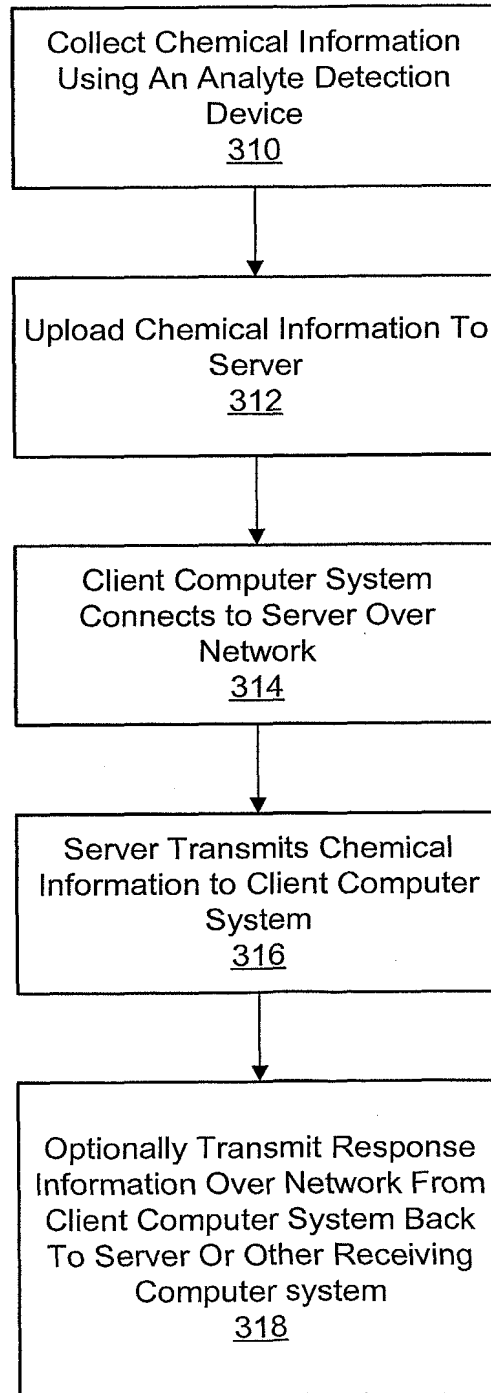


FIG. 69

76/87

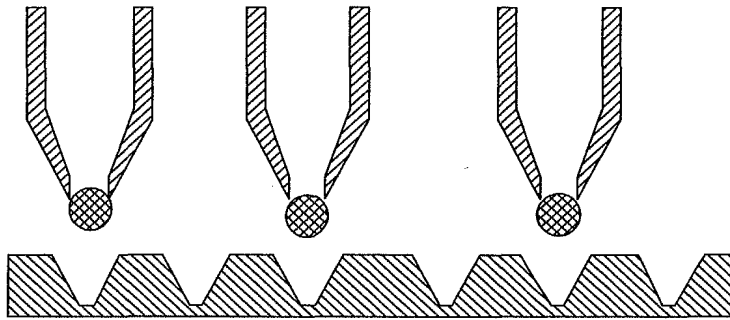


FIG. 70A

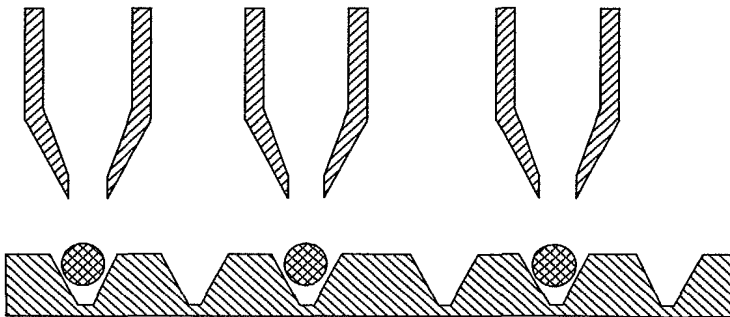


FIG. 70B

TOP SECRET

77/87

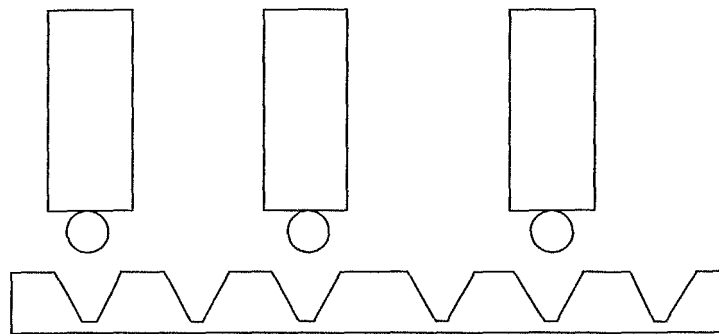


FIG. 71A

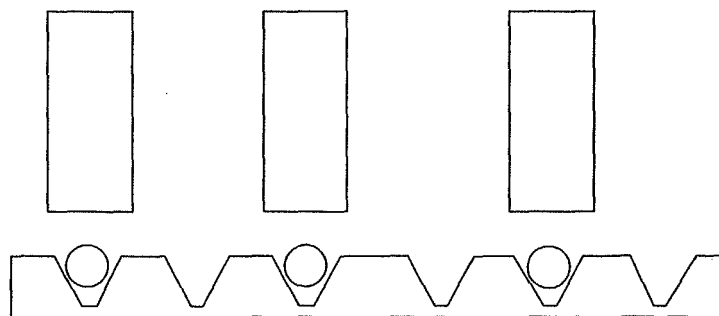


FIG. 71B

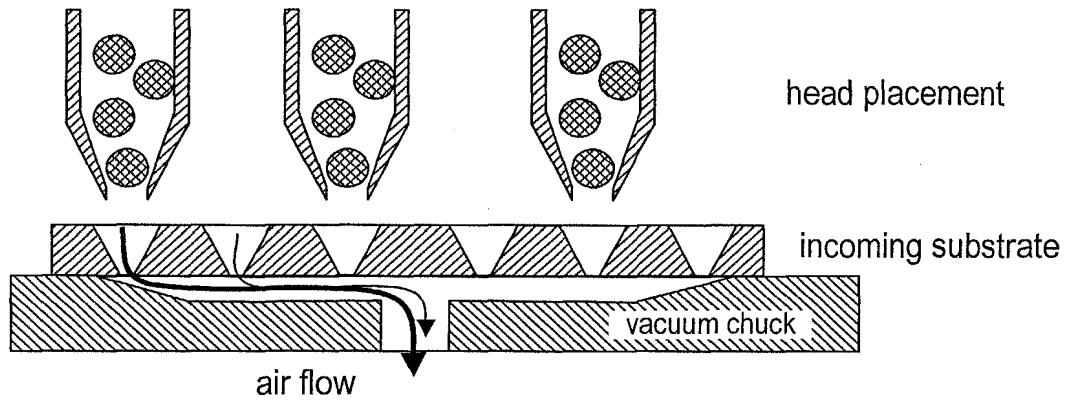


FIG. 72A

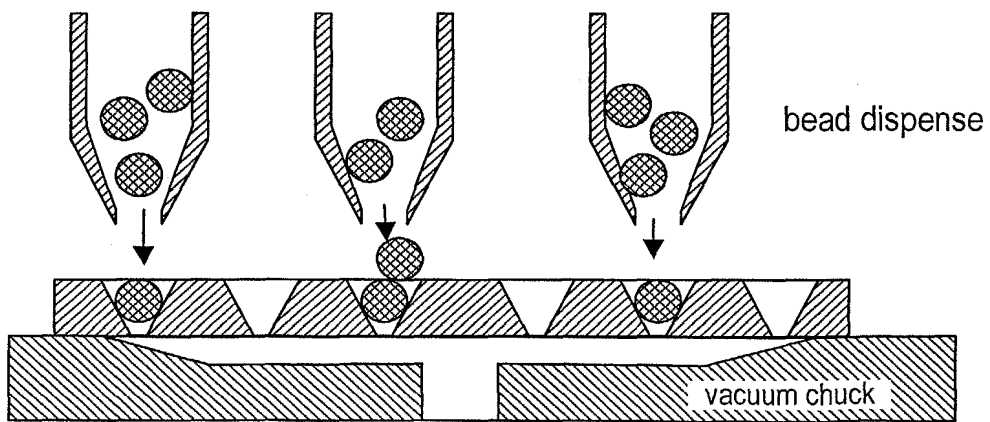


FIG. 72B

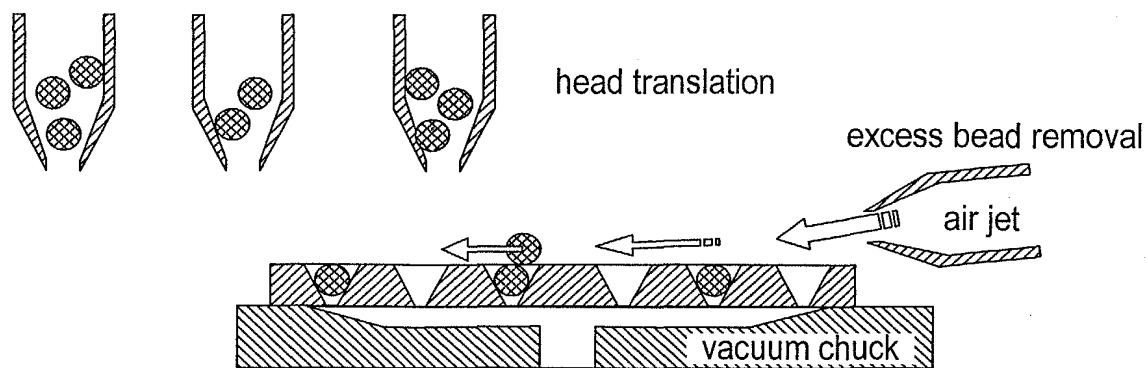


FIG. 72C

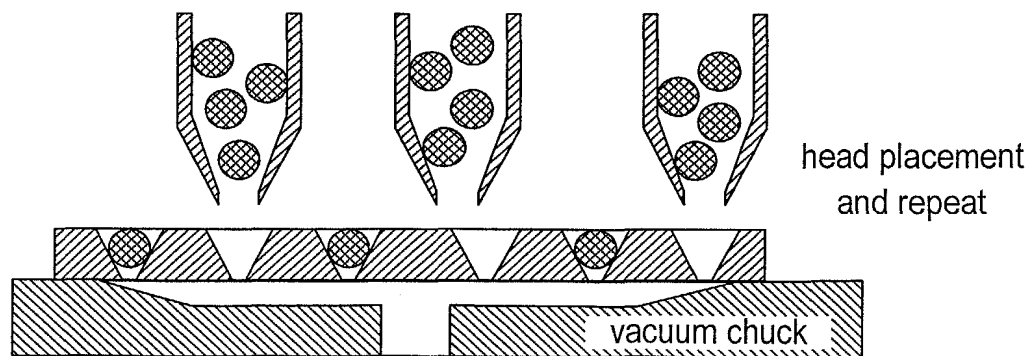


FIG. 72D

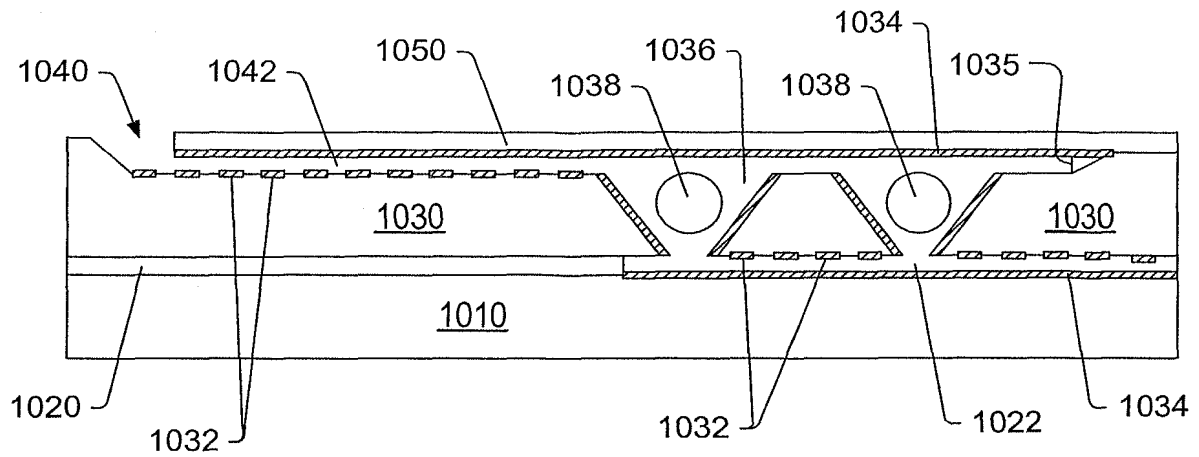


FIG. 73

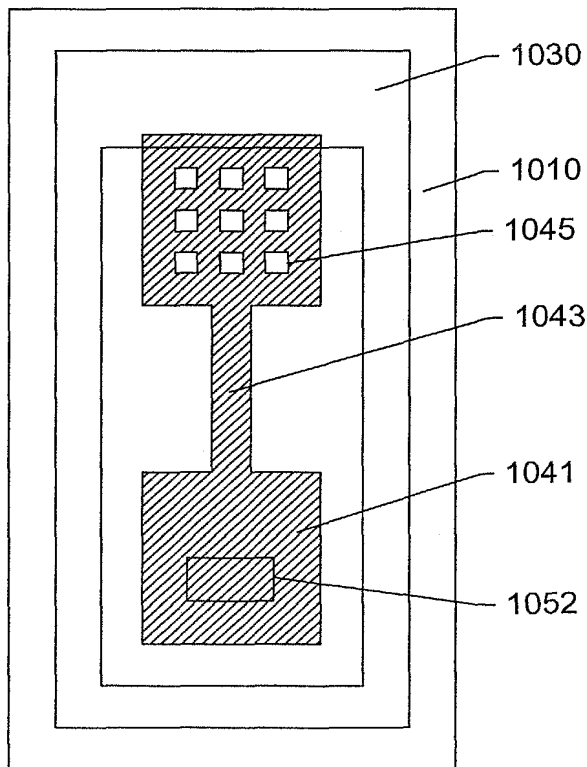


FIG. 74A

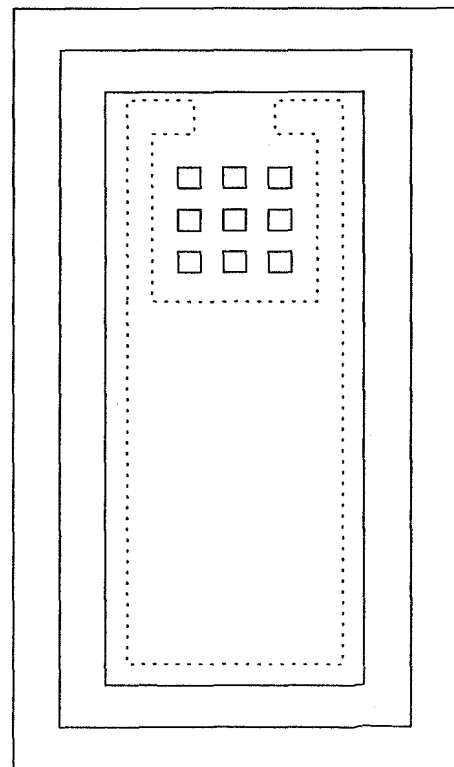


FIG. 74B

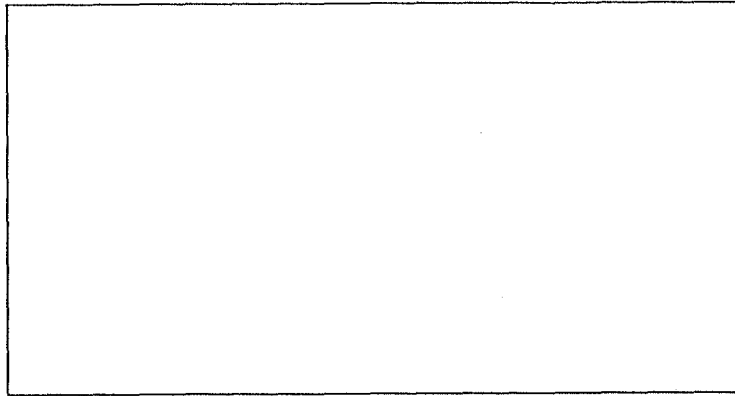


FIG. 75D

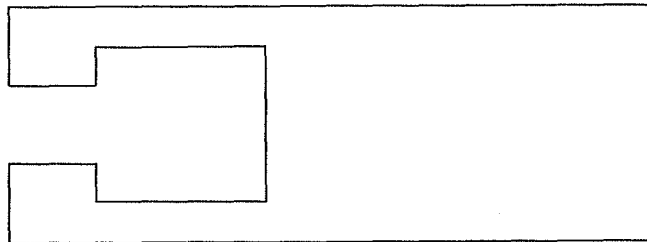


FIG. 75C

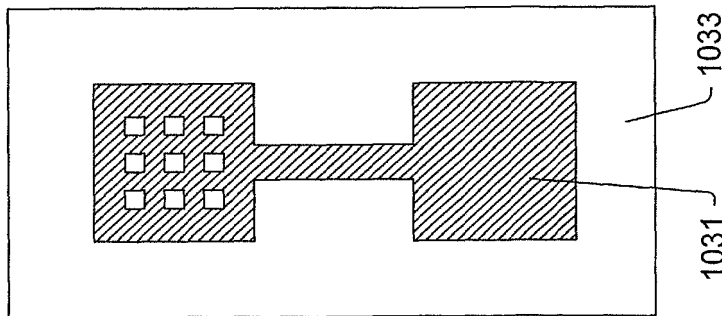


FIG. 75B

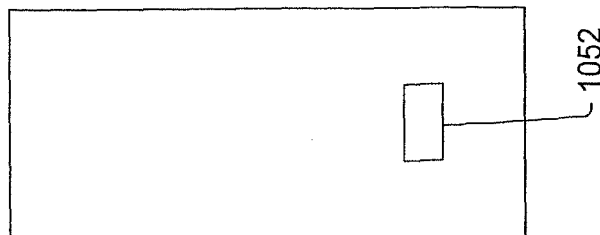


FIG. 75A

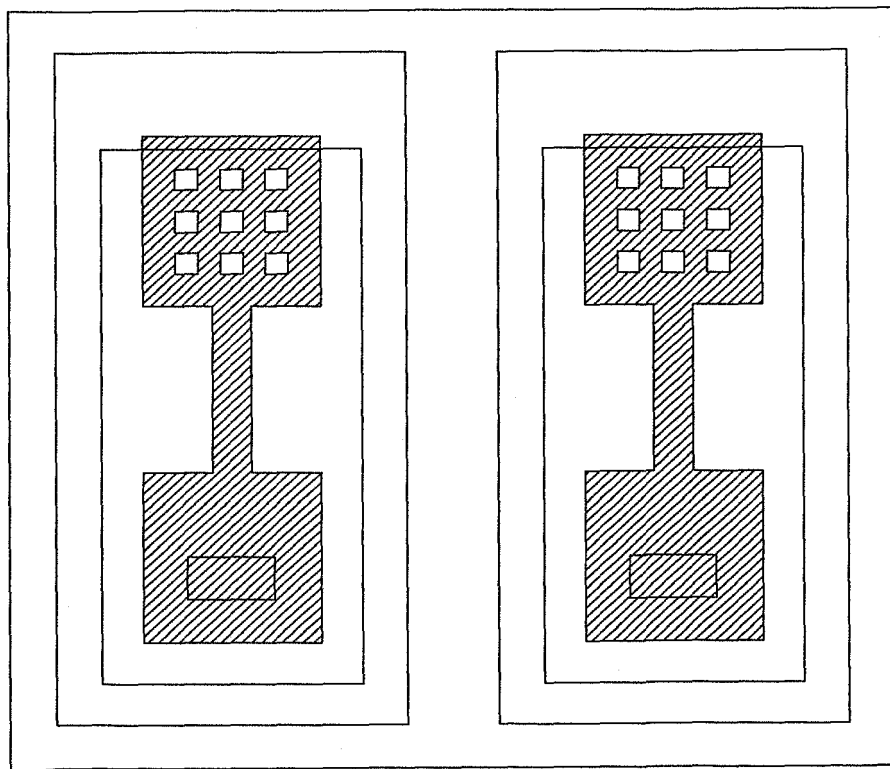


FIG. 76

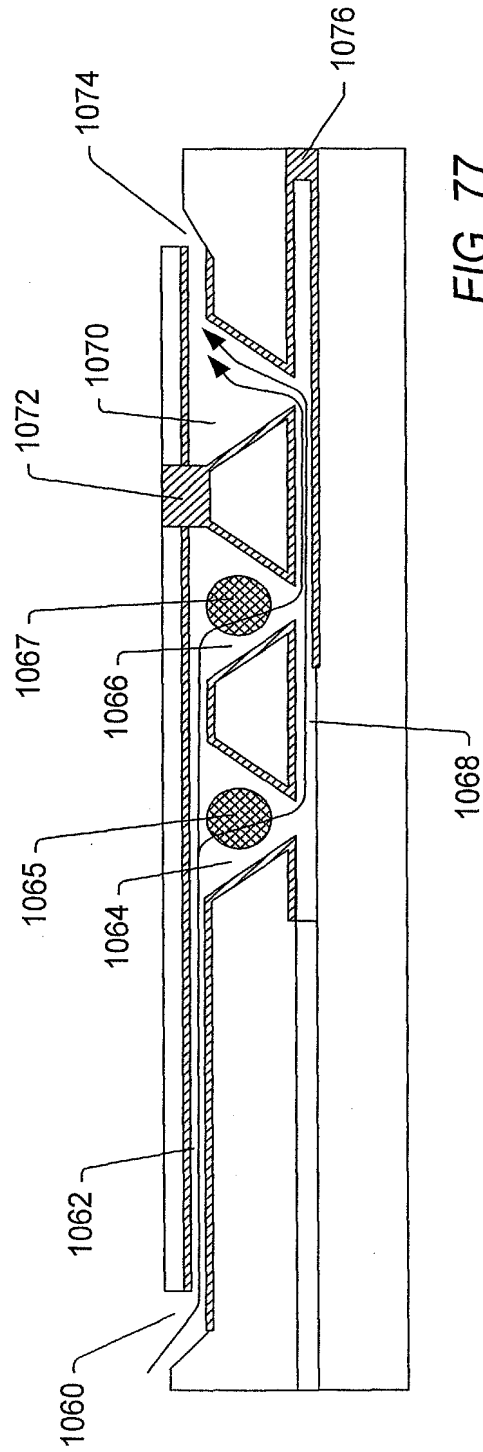


FIG. 77

84/87

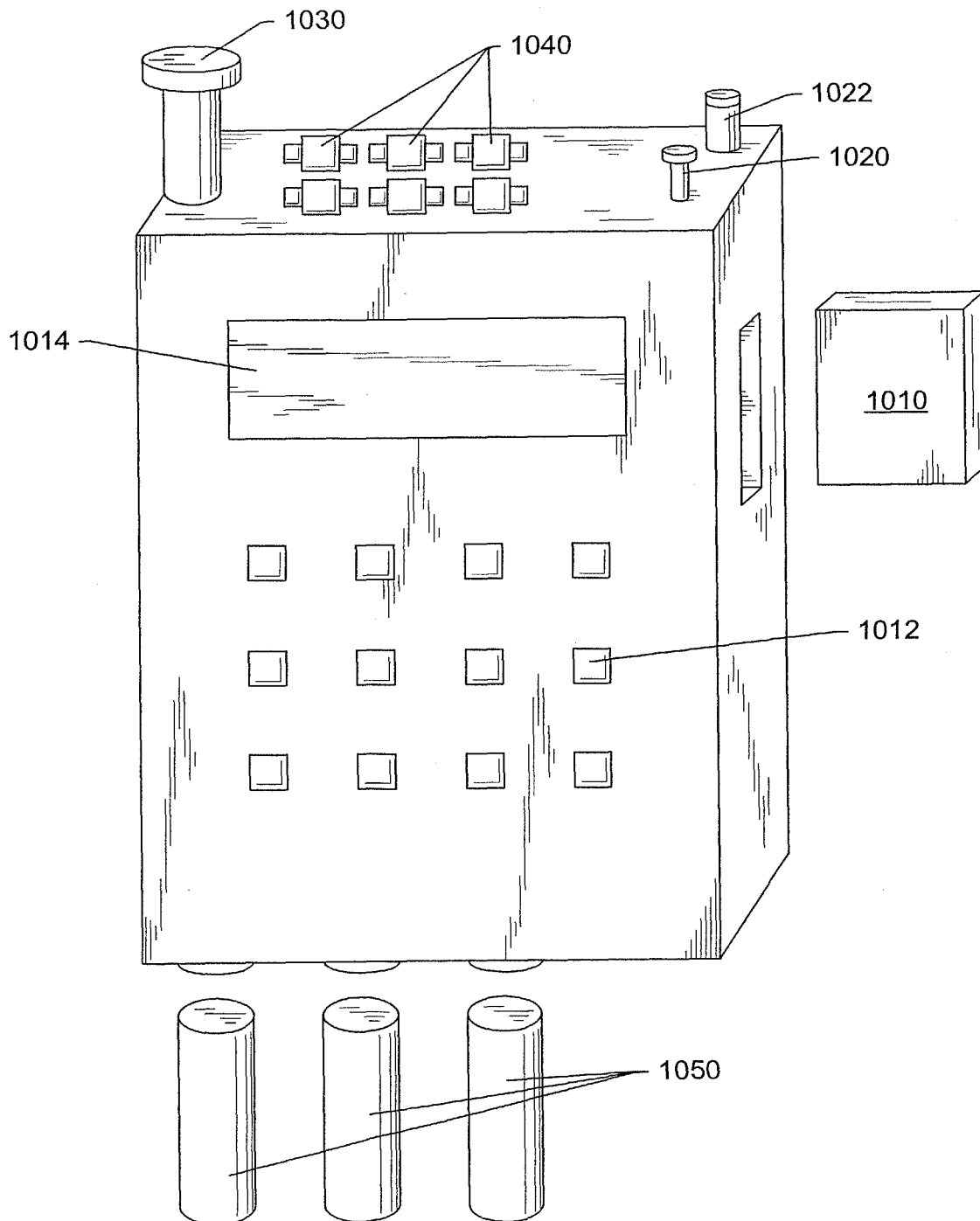


FIG. 78

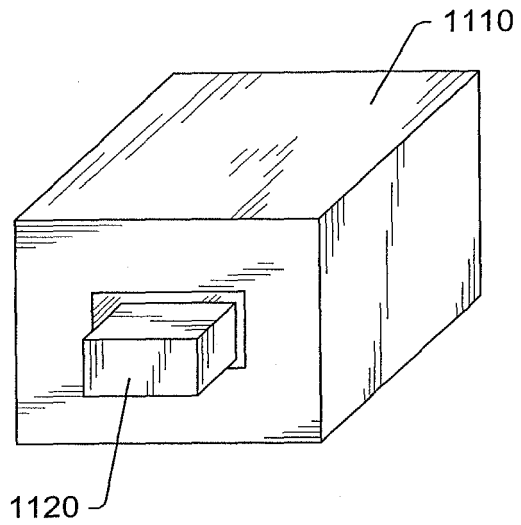


FIG. 79A

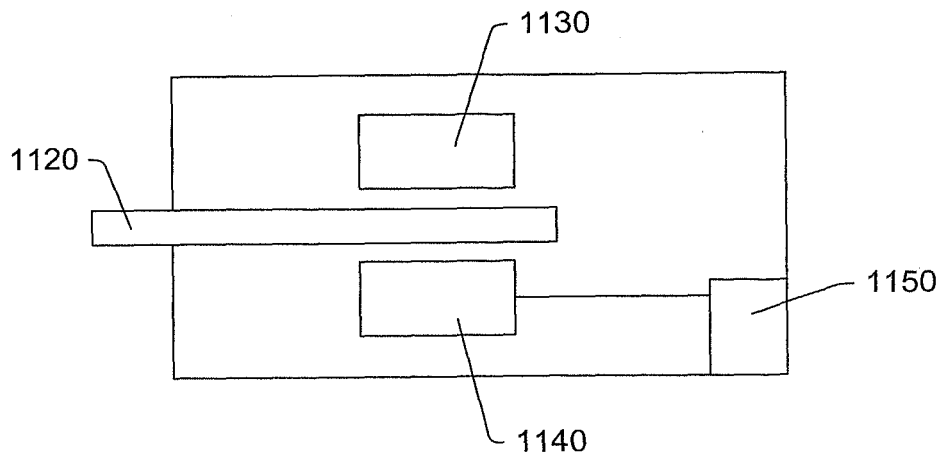


FIG. 79B

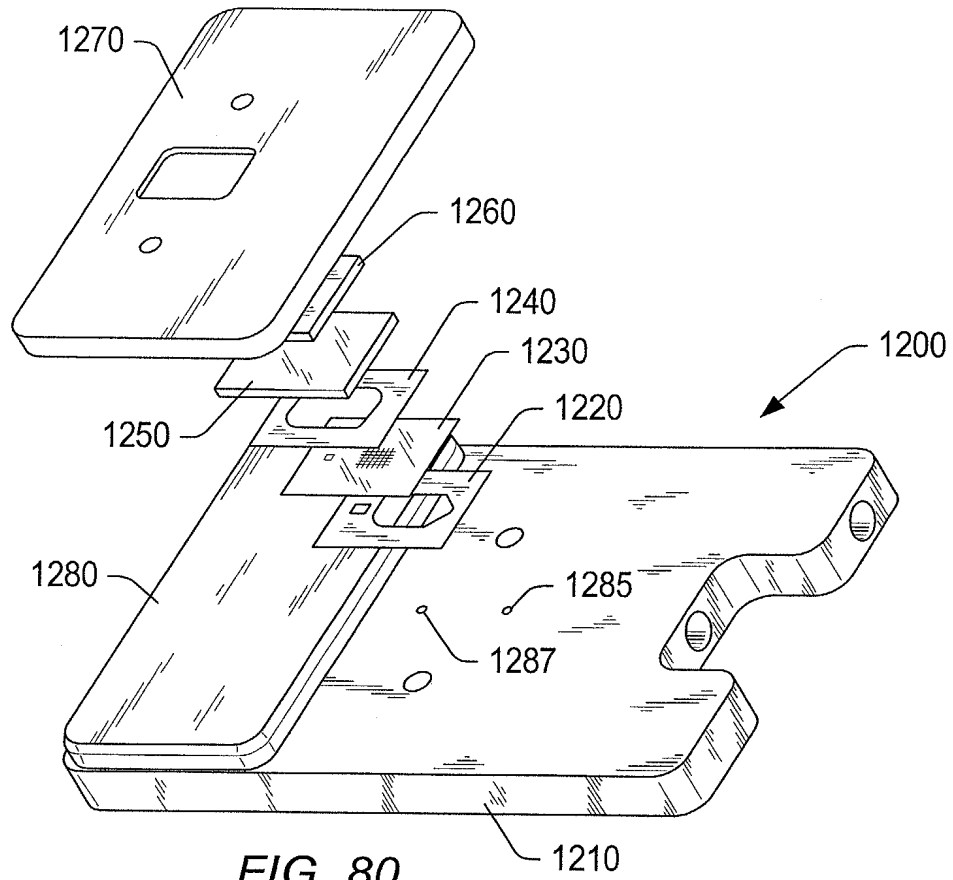


FIG. 80

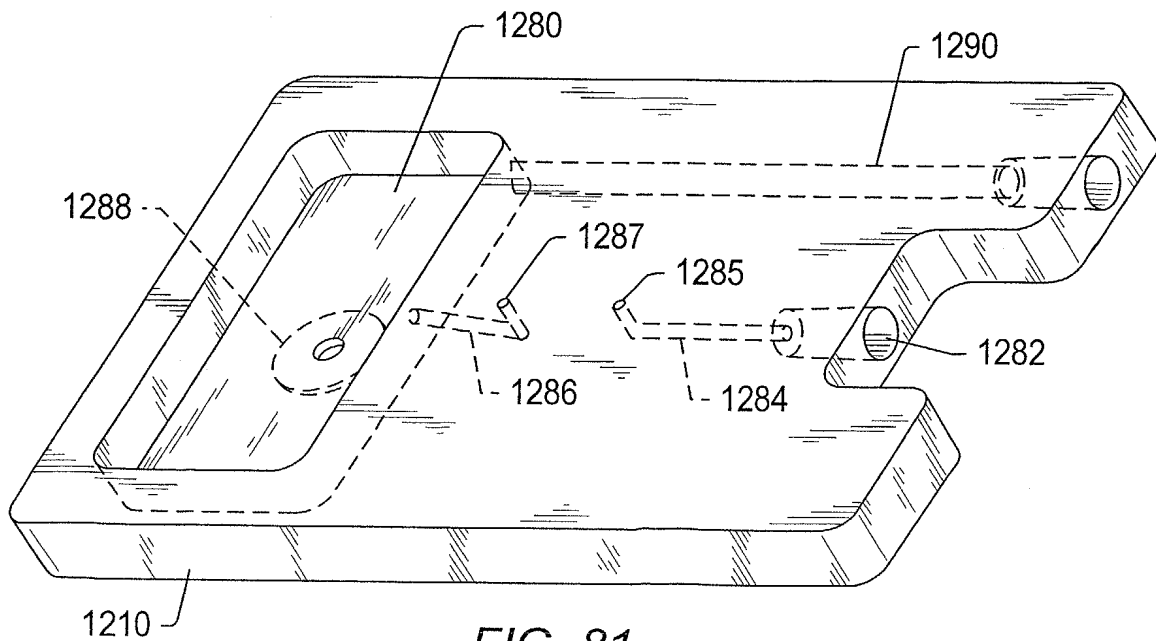


FIG. 81

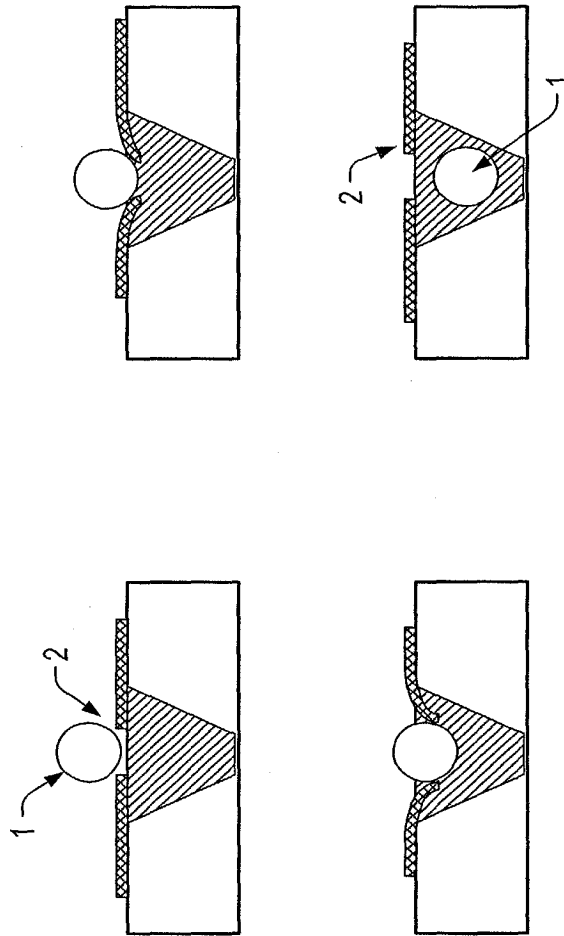


FIG. 82